



# SMITHSONIAN Children's Illustrated



# Animal ATLAS



MORE THAN  
600  
AMAZING  
ANIMALS





# SMITHSONIAN

## Children's Illustrated



# Animal ATLAS





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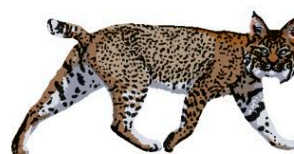
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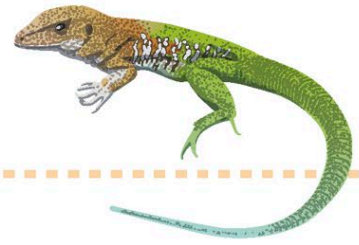
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A WORLD OF IDEAS:  
SEE ALL THERE IS TO KNOW

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# How to use this book

An atlas usually shows maps of different countries, but animals often live across borders. The maps in this book show many of the world's different habitats, which is the environment where an animal lives, such as a desert. Some islands are also shown, since they have animals that are found nowhere else.

## Compass

The compass always points north (N) in line with the map. It also shows the direction of south (S), east (E), and west (W).

## Animal pictures

Pictures with descriptions pick out particular animals that live in an area.

## Independent states

Small independent states, such as Monaco, are shown with a red border and a solid red dot, and the name is in capital letters.

## Rivers

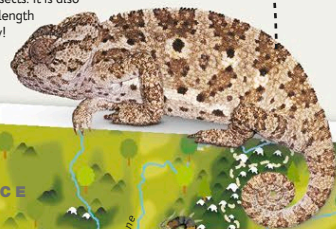
Each country's largest rivers are shown as continuous blue lines.

## Mediterranean scrubland

The coastal areas around the Mediterranean Sea contain rocky hills and flat, shrub-filled plains. This rare habitat is found in only a few places on Earth. Plants here can survive wildfires, and animals have to deal with hot, dry weather.

### Mediterranean chameleon

This is one of only two chameleon species found in Europe. Its tongue is sticky to catch passing insects. It is also twice the length of its body!



### Hummingbird hawk moth

This insect beats its wings so fast that they make a humming sound—just like the birds it's named after. It feeds on nectar made by flowers like buddleia and honeysuckle.

### Iberian lynx

Just 404 adult Iberian lynxes are left in the wild, so this is the most endangered cat on Earth—but the good news is this figure is nearly twice the number of wild lynxes alive a few years ago!



The Iberian lynx mostly hunts just one animal—the European rabbit.



## Capital

A country's capital city is marked with a red outline. Some countries have more than one capital city.

## Scale

The scale shows the size of the areas and the distances between different points on the map.

## Location

The location box shows you where each area is found in relation to the land around it.

## Habitat key

Every map has a key that lists the types of habitats found in that area.

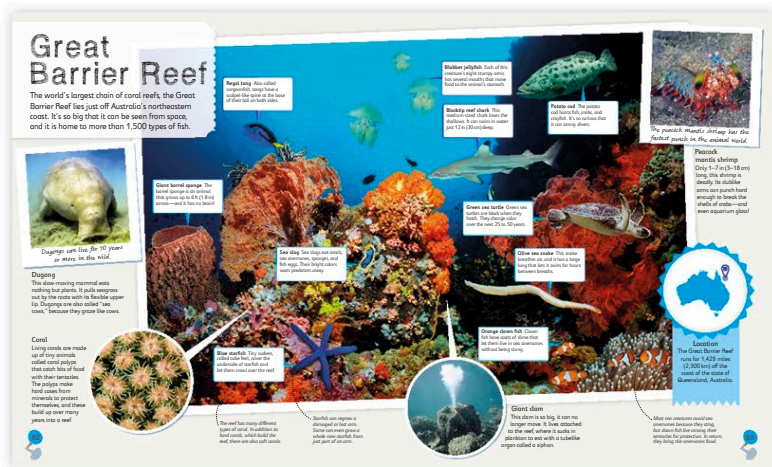
## Bordering continents

Around the edges of some maps you can see parts of bordering continents in a cream color.



## Continent maps

The continent maps are colored to show the biomes found on each continent. A biome is a large area of one type of habitat, and the animals and plants in it. Photographs show some of the places in these biomes.



## Feature habitats

The feature spreads show a specific place and some of the animals that live there. In reality, not all the animals would be found together at the same time, since they are awake at different times of day, and would often avoid each other to prevent being eaten!

### Habitats

These symbols show the different types of habitat on each map.



#### Mountains

High, rugged mountainous areas are often covered with snow.



#### Coniferous forests

Trees in coniferous forests usually have needlelike leaves that are kept all year round.



#### Wetlands

Wetlands are marshy, swampy areas, such as the Pantanal in Brazil.



#### Hot desert

Hot deserts, such as the Sahara, are dry, sandy areas. Few plants grow here.



#### Oceans and seas

Huge stretches of water are found around the Earth's seven continents.



#### Mangroves

Mangrove trees grow on coasts in salty water. Their long roots stick out of the water.



#### Temperate grasslands

Flat, grassy plains with few trees found in seasonal areas are temperate grasslands, such as prairie, steppe, and pampas.



#### Cold desert

Cold deserts, such as the Gobi, are cold, dry stretches of land.



#### Tropical forests

Rain forests, such as the Amazon, get a lot of rain and heat so the trees grow very tall.



#### Coral reefs

Coral reefs grow in shallow waters. They are built by coral animals.



#### Tropical grasslands

Flat, grassy plains with few trees found in hot areas are tropical grasslands, such as savanna and cerrado.



#### Snow and ice

Frozen areas are found high up in the mountains and at the North and South Poles.



#### Deciduous forests

Trees in deciduous forests usually have broad leaves that are lost in the fall, or during the dry season.



#### Scrublands

Low-lying plants and grasses grow in scrubland areas with small trees, such as in southern Spain.

### Borders

Borders show how the Earth's land is divided into countries.



#### Country borders

The borders between countries are shown with a broken white line.



#### Disputed borders

Some countries disagree about where the border between them should be. These borders are shown with a white dotted line.



#### Continent borders

A broken orange line shows where the border is between two continents.

ARCTIC OCEAN

NORTH AMERICA

**Arctic Circle**

The Arctic Circle shows where the temperate zone ends and the cold northern polar region begins.

ATLANTIC OCEAN

PACIFIC OCEAN

**Tropic of Cancer**

This line marks the northern limit of the tropics. Above this is the Northern Hemisphere's temperate zone.

AFRICA

**Equator**

This is an imaginary line that goes around the middle of the Earth, dividing it into two halves, called the Northern and Southern Hemispheres.

SOUTH AMERICA

**Tropic of Capricorn**

This line marks the southern limit of the tropics. Below this is the Southern Hemisphere's temperate zone.

ATLANTIC OCEAN

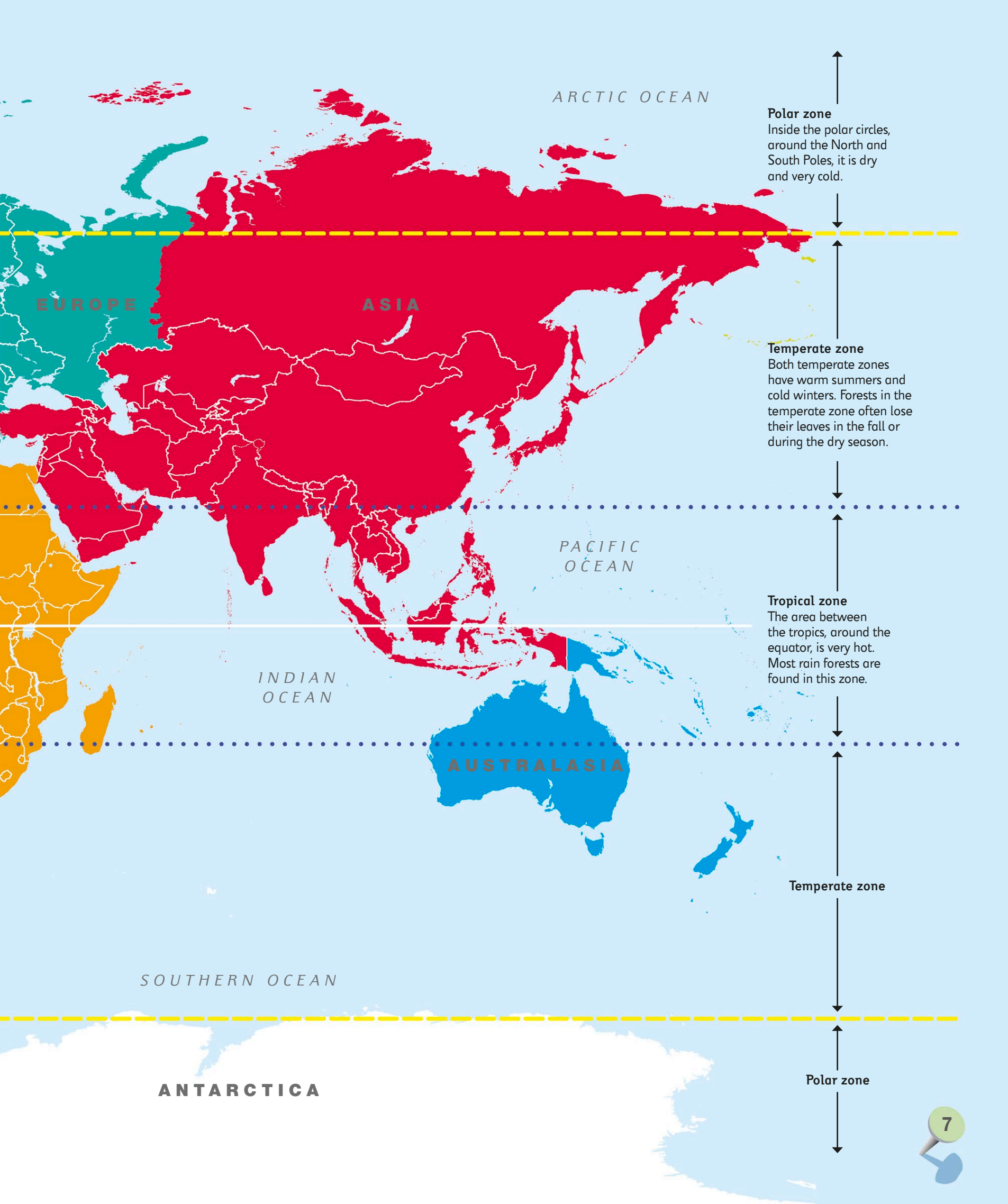
# The world

The types of habitats found on each of the Earth's seven continents depend on the usual weather, or climate, of an area. Five invisible lines divide the world into three climatic zones: the tropical zone is hot, the temperate zones are seasonal, and the polar zones are cold.

SOUTHERN OCEAN

**Antarctic Circle**

The Antarctic Circle shows where the temperate zone ends and the cold southern polar region begins.



ARCTIC OCEAN

**Polar zone**

Inside the polar circles, around the North and South Poles, it is dry and very cold.

EUROPE

ASIA

**Temperate zone**

Both temperate zones have warm summers and cold winters. Forests in the temperate zone often lose their leaves in the fall or during the dry season.

PACIFIC OCEAN

**Tropical zone**

The area between the tropics, around the equator, is very hot. Most rain forests are found in this zone.

INDIAN OCEAN

AUSTRALASIA

**Temperate zone**

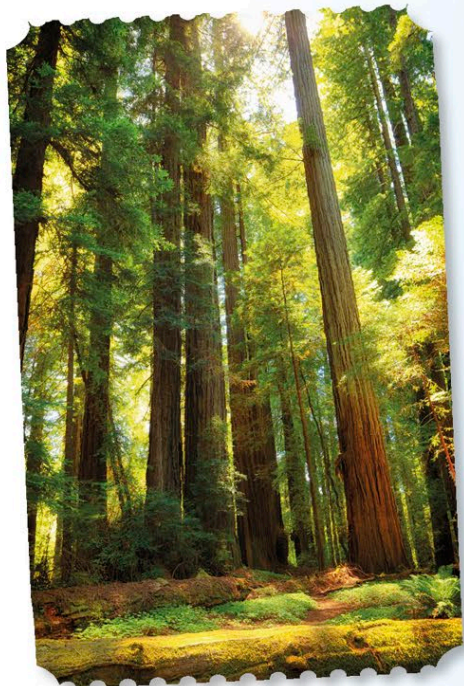
SOUTHERN OCEAN

**Polar zone**

ANTARCTICA

# North America

This continent stretches from the icy Arctic down to the tropical Caribbean. It has a vast range of habitats, from snow-covered mountains to lush rain forests, and is home to millions of different animals—some large, some small, and all amazing.



## California coast redwoods

These redwood trees can grow more than 350 ft (107 m) high and live up to 2,000 years. Bears, owls, and other woodland creatures—including a banana slug—call them home.



## Western mountains

The rocky peaks and thick coniferous forests in the mountains of western North America are filled with wildlife. Wolves, deer, and grizzly bears roam freely here, while in the fjords (narrow inlets), bald eagles hunt for salmon.



## Great Plains

With thousands of miles of grassland, the dry Great Plains can appear empty. Look closer, though, and you'll see big bison, as well as prairie dogs hiding in their secret world of underground burrows.



## HABITAT KEY

- Tropical forests
- Deciduous forests
- Coniferous forests
- Tropical grasslands
- Scrublands
- Temperate grasslands
- Desert
- Wetlands
- Tundra
- Ice
- Mangroves



### Barrier islands

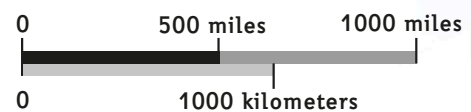
These long, thin stretches of sand protect the mainland from powerful storms. The barrier islands off the Virginia and Maryland coasts are home to the wild Chincoteague Ponies of Chincoteague and Assateague islands.

### Central American rain forest

Rain forests are warm and green all year, and they are home to more than half the world's plants and animals. These colorful scarlet macaws from Costa Rica perch high in rain-forest trees.



### SCALE



## HABITAT KEY



Alaska  
(USA)

Yukon

Grizzly bear

ARCTIC OCEAN

BEAUFORT SEA

Mackenzie

Arctic Circle

Great Bear Lake

Great Slave Lake

Sea otters are found in shallow waters. Their thick fur keeps them warm in the ocean.

Sea otter



Leatherback turtle

The largest sea turtle in the world swims long distances across the Pacific, Indian, and Atlantic Oceans.



Sockeye salmon

Salmon in the ocean return to the freshwater streams they hatched in when it is time to lay their own eggs.

ROCKY MOUNTAINS  
COAST MOUNTAINS

Salmonberry



American badger

With big front feet and long claws, this animal digs burrows up to 32 ft (10m) long.

# North American taiga

Taiga areas are made of coniferous, or evergreen, forests that grow in some of the northernmost parts of the world. Grizzly bears and gray wolves live in the vast taiga of North America, which stretches across Canada, the world's second-largest country, and Alaska, the largest state in the US.

## Location

Most of northern North America is taiga. Summer temperatures reach only 50°F (10°C), and there's lots of snow in the winter.



## Great gray owl

North America's tallest owl has a wingspan of up to 5 ft (1.5 m). It listens for rodents moving under the snow, then snatches them up.

## SCALE

0 250 miles  
0 250 kilometers

## Snow geese

Flocks of snow geese turn fields white when they land. These noisy birds live in cold areas, but fly south in large groups during the winter.



*Snow geese fly south for the winter.*

This flat-tailed mammal fells trees with its teeth. It uses the logs to build dams across rivers, and lodges to live in.

North American beaver

The loon's legs are made for swimming, not walking—so when it wants to fly, it can only take off from water.

Pacific loon

A moose can weigh as much as a car! It can also trot at a steady pace of 20 mph (32 kph).

Moose

These geese are found all over the world. They have a loud honk and fly in a V-shaped formation.

Canada goose

Both male and female fireflies flash yellow, green, or orange light using special organs in their tails.

Firefly

Monarch butterfly

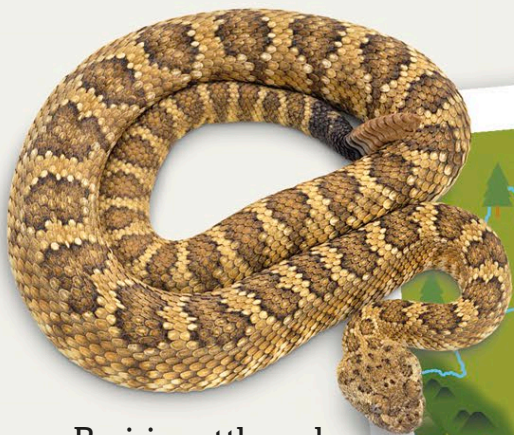
Each winter, millions of monarchs migrate from northern North America to Mexico.

Ottawa

## Gray wolf

The gray wolf is the largest wild member of the dog family. It can have black, white, tan, brown, or gray fur. It hunts in packs and eats animals from tiny mice to huge moose.





### Prairie rattlesnake

Though it is venomous, the prairie rattlesnake would rather flee than fight. It rattles its tail rings, making a sound that warns, "Stay away!"



*A coyote howls to alert others.*

### Coyote

With excellent eyesight and hearing, and a good sense of smell, coyotes make great hunters. They howl to claim their territory and to tell other coyotes where they are.

# Great Plains

The Great Plains are in the center of North America. Made of high prairie about 3,000 miles (4,800 km) long, they were once home to thousands of bison and antelope. Today farmland has taken over much of the area, and mostly cattle herds wander the plains—but wildlife has found ways to survive.



### Black-tailed prairie dog

These grass-eating rodents live in underground prairie-dog towns. They greet family with a kiss, and have different warning calls for different predators.



### Gray fox

As big as a medium-sized dog, gray foxes live in broad-leaved forests. They make their dens in hollow trees, and both parents care for the cubs.

# Eastern forests

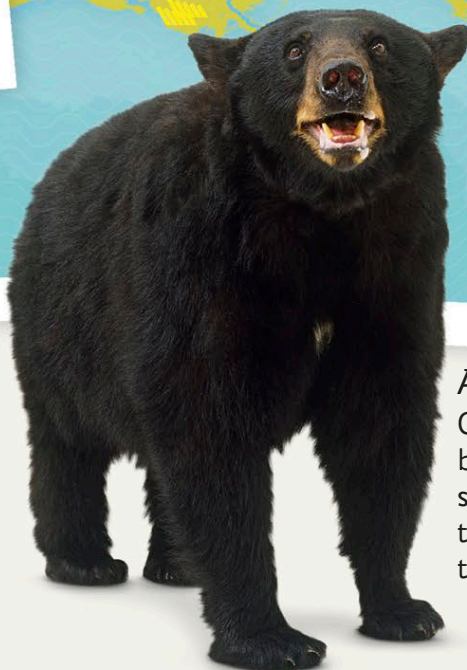
Deciduous and coniferous forests cover eastern North America. There are mountains and river valleys here, too. Animals have to be smart to survive in areas densely populated with humans.



Despite their name, gray squirrels can also have white or reddish fur.

### Gray squirrel

Double-jointed ankles help gray squirrels scamper up and down trees. Their teeth never stop growing, so they have to wear them down on nuts and tree bark.



### American black bear

Good swimmers and climbers, black bears feast on fruits, nuts, and roots, and sometimes ants and grubs. There are twice as many of them in the world as there are all other bear species combined.

### Location

Most of the continent's eastern forests stretch from the Mississippi River Valley eastward, all the way to the Atlantic Ocean.



**Turkey vulture**  
Turkey vultures can't kill their own prey, so they eat animals that have already died instead. Animals that behave in this way are called scavengers.



*A turkey vulture perches on a cactus.*

# Western deserts

Western North America has four deserts. These dry, sandy areas are hot during the day, but at night they can get very cold. Animals here must survive these tough conditions—and with very little water.



A short, or "bobbed," tail gives this wild cat its name. More than a million bobcats live in North America.



**Bobcat**

**Great Salt Lake**

The jackrabbit can run up to 30 mph (48 kph) and jump 20 ft (6 m) into the air.



**Black-tailed jackrabbit**

Male bighorns fight by crashing their big heads and horns together.



**Bighorn sheep**

This lizard lives mostly underground. It has a venomous bite and eats eggs.



**Gila monster**

This big, hairy spider lines its desert burrow with silk to keep it from caving in.



**Desert blonde tarantula**

**Desert broom**

The desert broom's flowers provide sweet nectar for butterflies.



*A tortoise snacks on a desert plant.*

**Mohave desert tortoise**

This desert tortoise can live for up to 50 years. It digs a burrow to avoid the desert heat, and it spends 95 percent of its time there during the summer.

# HABITAT KEY

- Temperate grasslands
- Coniferous forests
- Tropical grasslands
- Deciduous forests
- Scrublands
- Tropical forests
- Mountains
- Cold desert
- Hot desert

## SCALE



## Puma

Also called the cougar or mountain lion, this big cat hunts at night. It is a fast runner, a good swimmer, and an excellent jumper and climber.





**Location**

Central America connects North and South America. Its tropical climate is ideal for plants and the animals that depend on them.

**HABITAT KEY**

- Mangroves
- Mountains
- Coniferous forests
- Tropical forests
- Deciduous forests

**SCALE**

0 100 miles  
0 100 kilometers

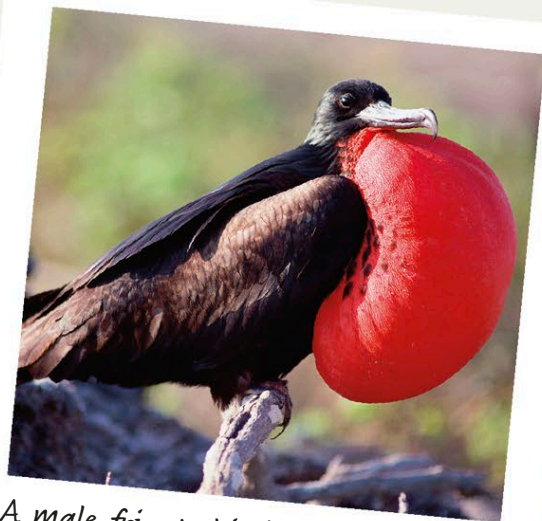
# Central America

Seven countries make up the narrow strip of land that is Central America. More than 1,500 different species of birds live here, and many more animals find food and shelter in its warm rain forests.

**Ocelot**

This fast cat's super sight and hearing help it hunt rabbits and other small animals at night. During the day it rests in the trees, where its markings blend in among the leaves.





A male frigate bird attracts a mate.

### Magnificent frigate bird

These birds are skilled flyers, known for swooping in and stealing another bird's prey. Male frigate birds inflate their red throat sacs to impress females.



This flat fish uses its stiff fins as legs to "walk" along the ocean floor.

Atlantic batfish



The blue marlin stabs the fish it wants to eat with its spearlike snout.

Blue marlin



Common vampire bat

TRINIDAD AND TOBAGO

### Cuban crocodile

This critically endangered croc is found only in Cuba, in just two swamps. Turtles are one of its favorite foods, since its blunt back teeth are ideal for crushing their shells.



# Florida Everglades

The Everglades, North America's largest subtropical wetland, is really a big, slow-moving river. The area is half its original size due to humans sending its water to farms and cities. However, it is still home to 350 bird species, and reptiles such as alligators and crocodiles.

## Common snapping turtle

Although it has no teeth, this turtle's strong, bony beak and jaws can bite and kill birds, fish, and small mammals. It is also known to bite the heads off other turtles that come too close. No wonder most animals, including humans, know to leave it alone!



*Around 300 fish species are found in the waters of the Everglades, ranging from tiny pygmy sunfish to barracudas that can grow up to 6 ft (2 m) long.*



*A rat snake shows off its forked tongue.*

## Everglades rat snake


This long snake both swims and can climb trees. Rats are on its menu, but it also eats frogs, squirrels, and birds and their eggs.

**Great blue heron** North America's largest heron is a slow mover, but it strikes fast to catch fish in mid-swim.

**Anhinga** This bird hunts underwater. It acts like a spear-fisherman, stabbing fish with its long, sharp bill.

**American alligator** The Everglades is the only place in the wild where alligators and crocodiles live together.

*An alligator's teeth are hidden from sight when its mouth is closed—unlike a crocodile's, which are always visible.*



**Everglades snail kite** This bird of prey eats apple snails. It uses its curved bill to pull the snails out of their shells.



*An orb weaver sits in wait on its web.*

**Purple gallinule** This duck-sized bird has long toes that allow it to walk on lily pads without sinking.



**Florida panther** These panthers are critically endangered. Fewer than 100 are left in the wild, since so many have been hunted.



### Location

The Everglades stretches across the southern tip of Florida. During its rainy season, this area gets twice as much rain as other places in the US.

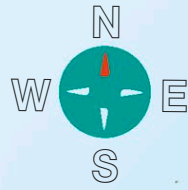
### Green tree frog

Depending on its mood, this little frog is either bright green or dull khaki in color. It inflates its vocal sac and screams if picked up—which can save its life, since the scream makes a lot of predators drop it in surprise!



# South America

Earth's fourth-largest continent lies mostly in the southern half of the world. It has tropical rain forests, dry deserts, grassy plains, and high, snowy mountains. The many different habitats means that a variety of amazing animals can make South America their home.



GALÁPAGOS ISLANDS (ECUADOR)



## Amazon rain forest

The winding Amazon River flows through the enormous rain forest that shares its name. In addition to producing a fifth of the planet's oxygen, this rain forest is home to an astonishing amount of plants, mammals, birds, and fish.



## Pantanal

The Pantanal is a wetland wonderland. With flooded grasslands and tropical forests, it is home to thousands of birds, fish, and reptiles. Mammals also live here, such as the plant-eating capybara, which hides from predators in the muddy waters.

PACIFIC OCEAN

## HABITAT KEY

- Tropical forests
- Deciduous forests
- Tropical grasslands
- Scrublands
- Temperate grasslands
- Deserts
- Wetlands
- Mountains
- Mangroves





### Patagonian steppe

Shared between Argentina and southern Chile, the warm, dry Patagonian steppe is filled with shrubs as well as grasses. It makes a good home for mammals, ranging from tiny rodents to foxes and mountain lions.

### Pampas

Its acres of grassland mean the pampas attracts a lot of wildlife, particularly birds. Some, like the flightless Darwin's rhea, graze on plants. It also eats frogs and insects that might be hiding in the grass.



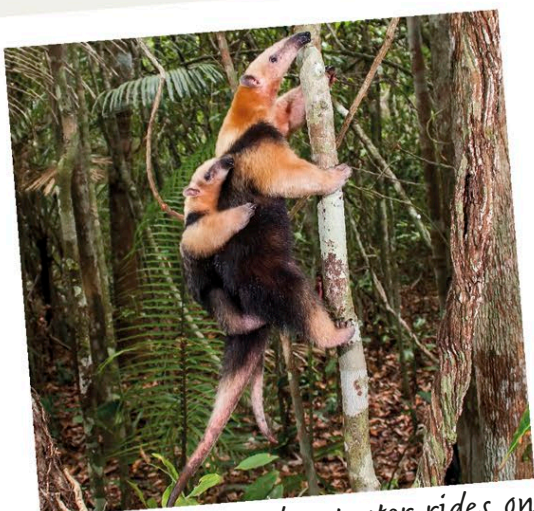
### Andes

Although parts are warm with plenty of plants, the Andean mountains are mostly full of high, rugged places. Animals need to be tough and adaptable to live here. Flamingos, for example, can manage to find food in even the saltiest lakes.

FALKLAND ISLANDS  
(UNITED KINGDOM)

# Amazon rain forest

The Amazon is the Earth's largest tropical rain forest, and it surrounds one of the world's largest rivers—the Amazon River. Lots of species live here, including more than 430 mammals, 1,300 birds, 3,000 fish, 870 reptiles and amphibians, and 2.5 million insects!



A young collared anteater rides on its mother's back.

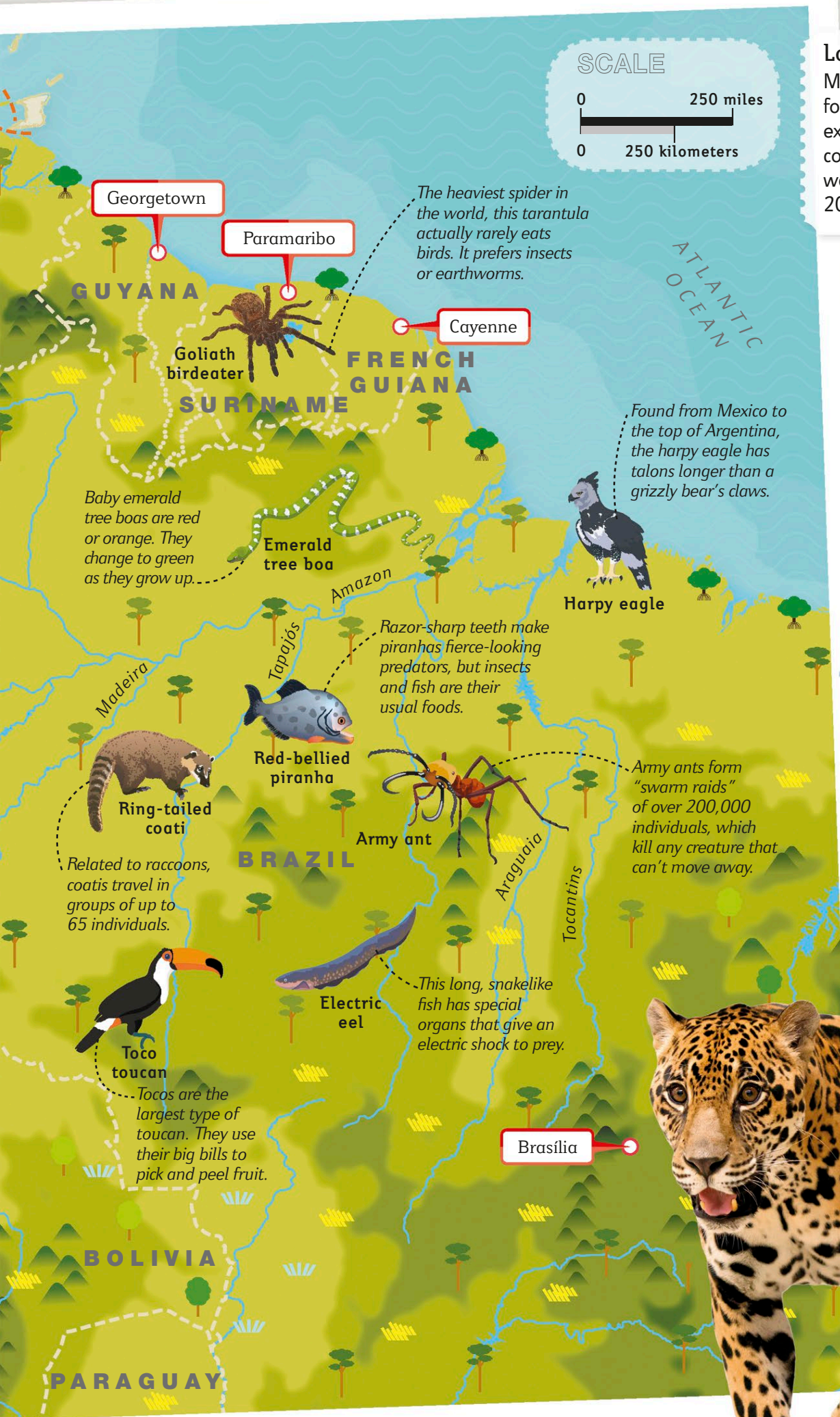
## Collared anteater

This tree-climbing anteater doesn't have any teeth. Instead it slurps up ants and termites with a tongue that can be 16 in (40 cm) long!

## Yellow-banded poison dart frog

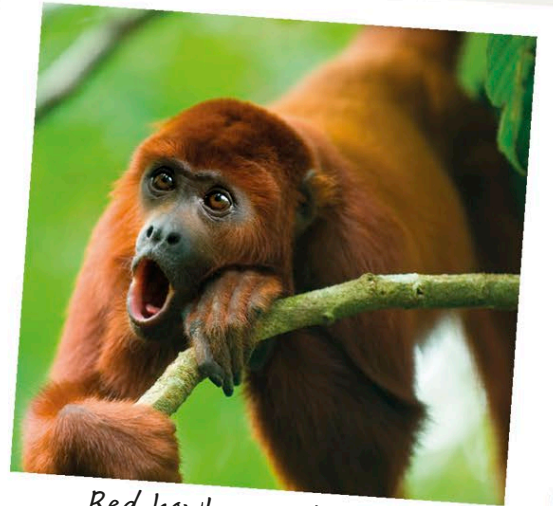
This frog's bright-yellow color tells predators to keep away. It is a serious warning, since its skin gives off toxic chemicals that can kill other animals.





## Location

Most of the Amazon is found in Brazil, but it extends into eight other countries. It is very hot and wet—it rains more than 200 days a year here.



Red howler monkeys eat leaves and fruit.

## Red howler monkey

Red howlers live up to their name. They are the loudest animals on land, and their howls can be heard 3 miles (5 km) away!

## Jaguar

Jaguars are so good at hiding that scientists don't know how many exist in the wild. They are found throughout Central America and the northern half of South America.



# Andean mountains

The Andes is one of the highest mountain ranges in the world. It reaches a top height of 22,831 ft (6,959 m) and stretches along the west coast of South America. Animals here have to cope with extreme habitats, from glaciers to tropical forests.



The Peruvian firestick eats ferns.

## Peruvian firestick

The bright-red color of this stick insect warns predators to stay away. If threatened, it releases a nasty-smelling liquid.



Found in mountain woodlands, this nonvenomous snake can grow to 6½ ft (2 m) long.

This is South America's only bear. It looks like it wears glasses because of the lighter-colored fur on its face.

The northern pudu is the tiniest deer in the world at just over 12 in (30 cm) tall.

Only found in Lake Titicaca, this huge frog weighs up to 2.2 lb (1 kg) and breathes through its baggy skin.

Also called a cavy, this wild guinea pig lives in groups in mountain grassland and forest edges.



## Location

The Andes stretch more than 4,500 miles (7,240 km) through seven countries. The climate here ranges from humid rain forest to snowy mountains.

The skin on this frog's belly is see-through—you can see its internal organs and even its bones!

This pale-pink flamingo gets its color from the plantlike algae that it eats, which grow in high, salty lakes.

Sucre

La Paz

Lima

Caracas

Bogotá

Quito

Northern pudu

Montane guinea pig

Trueb's cochran frog

Titicaca Lake Titicaca water frog

Llama

James's flamingo



*The male cock of the rock can extend the crest on its head.*

### Andean cock of the rock

Male cock of the rocks are brilliant orange, while females are brownish. The males gather together to show off their feathers to females, who pick their favorite from the group.



### Vicuña

These small members of the camel family are so well-adapted to their mountain homes that they can survive at altitudes as high as 16,404 ft (5,000 m).



### HABITAT KEY

- Wetlands
- Deciduous forests
- Mountains
- Cold desert
- Scrublands
- Temperate grasslands
- Tropical grasslands

### ARGENTINA

Caracaras often wander around, turning over stones to look for insects, rodents, and other animals to eat.

Mountain caracara

Santiago

### Long-tailed chinchilla

With 60 hairs growing out of each follicle, this rodent has very thick fur. Having thick fur is ideal for the cold temperatures of the high Andes.

Colorado

Negro

Chubut

Andean goose

ANDES

CHILE

PACIFIC OCEAN

The Andean condor is the world's largest flying bird. It rides mountain air currents with a wingspan of up to 10½ ft (3.2 m).

Andean condor

Huemul

Short legs allow this endangered deer to clamber over rough, high mountain terrain. It is the national animal of Chile.

Culpeo

Also known as the zorro, these foxlike wild dogs hunt lizards, insects, rabbits, and geese. They make their dens in rocky caves.

Falkland Islands

SOUTH ATLANTIC OCEAN

### SCALE

0 250 miles

0 250 kilometers

# Temperate pampas

With level plains as far as the eye can see, it's no wonder native South Americans named this region pampas—meaning “flat surface.” This temperate grassland provides plenty of seeds for birds, insects, and small mammals to eat.



Eyes high on its head allow the coypu to see when it swims.

## Coypu

Sometimes mistaken for a beaver, the coypu is a water-loving rodent that can get up to 3 ft (1 m) long. Also called the “nutria,” it lives in riverside burrows and eats plants.

## Argentine horned frog

At 5½ in (14 cm) long and weighing up to 1 lb (480 g), the horned frog is big enough to eat lizards, mice, and even other horned frogs.



SIERRAS DE CÓRDOBA

This lizard gets up to 4½ ft (1.4 m) long. During the day it hunts for snails, spiders, and insects.

Argentine black and white teju

This bloodsucking bug feeds on rodents, marsupials, and even humans. It sometimes passes on a parasite that causes disease.

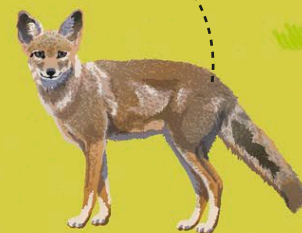
Assassin bug



Mollina's hog-nosed skunk

This skunk uses its broad, fleshy nose to snuffle out beetles and spiders to eat.

This medium-sized fox throws itself to the ground and plays dead if danger passes.



Pampas fox

## ARGENTINA

With yellow, white, green, blue, red, and black feathers, this is one of the most colorful birds to live in the reedbeds of the pampas.



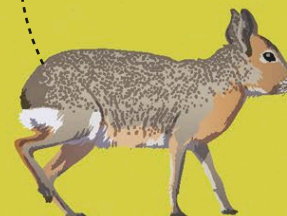
Many-colored rush-tyrant

The greater rhea can reach 4½ ft (1.4 m) tall. It can't fly, but it can run as fast as 37mph (60 kph).



Greater rhea

The long, powerful legs of this large rodent allow it to run up to 30mph (48 kph).



Patagonian mara

Colorado



The male pampas meadowlark's chest is brightly colored.

### Pampas meadowlark

This endangered pampas bird likes to nest on the ground in groups. More than 60 nests have been found in one area, all clustered together.

### Burrowing owl

The burrowing owl usually lives in abandoned burrows dug by other animals. It piles mammal dung around the entrance to attract dung beetles, which are one of its favorite foods.

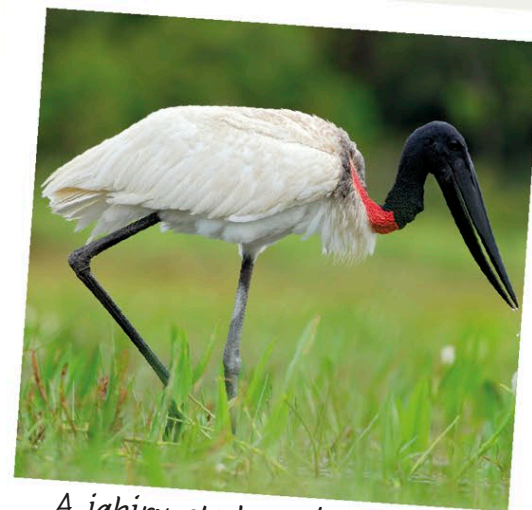


# Pantanal

The Pantanal is the world's largest wetland, which means a lot of it is underwater for much of the year. The 3,500 different plant species that grow here make it an ideal home for lots of birds and mammals, including the capybara, which is a giant relative of the guinea pig.

## Jabiru stork

The jabiru is the tallest flying bird in South and Central America, and can grow to over 3 ft (1 m) high. It grabs fish, frogs, and insects with its enormous bill.



*A jabiru stork wades through the Pantanal.*

This big freshwater snail grows up to 6 in (15 cm) long! It only comes out of the water at night to find food.



**Channeled apple snail**

About as big as a medium-sized dog, the capybara is the world's largest rodent.



**Capybara**

The roseate spoonbill sweeps its spoon-shaped bill from side to side to scoop up minnows—tiny freshwater fish.



**Roseate spoonbill**

This wetland plant's leaves can grow to 8 ft (2.5 m) across, and can hold an animal weighing up to 45 lb (20.5 kg)!



**Giant water lily**

Anacondas live in and out of water. They can be up to 29½ ft (9 m) long, but hide among water plants to surprise prey.



**Green anaconda**

The marsh deer has broad hooves that spread out to prevent them from sinking in marshy ground.



**Marsh deer**

This clever monkey uses rocks to crack nuts and crush crab shells to get at the food inside.



**Hooded capuchin**

## Yacare caiman

Caiman look like their alligator relatives, but have a pointier snout. The yacare gets up to 10 ft (3 m) long. Its favorite food is the piranha, but it also eats apple snails.



## Giant otter

Found only in South American rivers and rain forests, giant otters get up to 4½ ft (1.4 m) long. They eat fish, crabs, and even small caimans!



## HABITAT KEY

Tropical grasslands

Deciduous forests

Wetlands

**BOLIVIA**

**BRAZIL**

**PARAGUAY**

## SCALE

0 50 miles  
0 50 kilometers

## Location

The Pantanal lies south of the Amazon rain forest in Brazil, Bolivia, and Paraguay. It gets so much rain that 80 percent of it is flooded during the rainy season.



# Galápagos

The Galápagos are a group of volcanic islands that lie about 621 miles (1,000 km) off the coast of Ecuador. There are several larger islands and many more smaller ones. Three major ocean currents meet here, bringing in lots of different sea animals.

## Location

The Galápagos islands cluster around the equator in the Pacific Ocean. They have two seasons—a cool, dry season and a warm season.



PACIFIC OCEAN

Marchena Island

More lava lizards live in the Galápagos than any other reptile. They warm themselves on sunny rocks.

Although it can't fly, this cormorant is a powerful swimmer and hunts eels and octopuses on the ocean floor.

Galápagos lava lizard

Bright-blue feet make this bird easy to spot. Female boobies have darker-blue feet than males.

Blue-footed booby

Flightless cormorant

Galápagos hawk

This little penguin lives farther north than any other penguin species.

Galápagos penguin

The Galápagos hawk is very rare. It mostly eats giant centipedes, but also catches rodents and young iguanas.

This sea lion can move its back flippers independently, so it can "gallop" on land.

Galápagos sea lion

## Marine iguana

Marine iguanas are the only lizards to swim in the ocean, where they look for seaweed to eat. Special glands clean salt from their blood, which they sneeze out!



A marine iguana grazes on seaweed.

Galápagos tortoise

This tortoise can grow up to 5 ft (1.5 m) long and weigh up to 500 lb (227 kg). Some of them are over 100 years old!



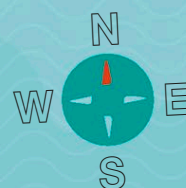
## Sally Lightfoot crab

This bright-red crab earned its name by scuttling around at high speeds. It hides from birds by squeezing into tiny spaces between rocks.



Santa María Island

Española Island

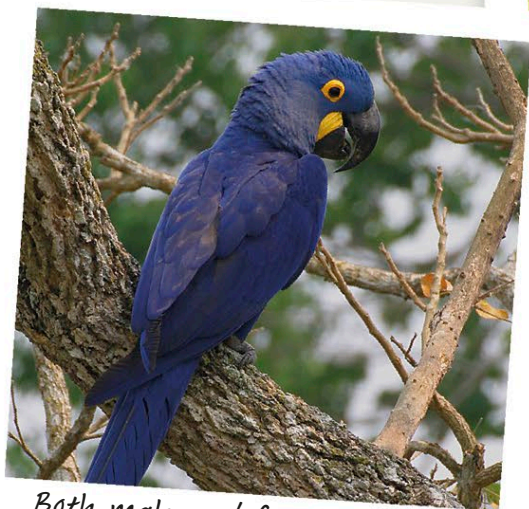


SCALE

0 25 miles  
0 25 kilometers

# Cerrado

The Cerrado is found almost entirely in Brazil. It is made up of mostly tropical grassland, but a few trees are mixed with it in places, and there are areas of dry forest, too. With more than 10,000 different plant species, the Cerrado offers plenty of food and shelter for lots of animals.



*Both male and female hyacinth macaws are bright blue.*

## Hyacinth macaw

The longest parrot on the planet, the hyacinth macaw can be 3 ft (1 m) long. Their large bills are able to crack even the hardest palm nuts.

## Leaf-cutting ants

These ants "saw" leaves into pieces with their jaws. They carry the bits back to their underground home, where a fungus grows on them, which the ants harvest and eat.



## HABITAT KEY

- Wetlands
- Tropical grasslands
- Mountains
- Tropical forests
- Deciduous forests
- Cold desert

Often called "a fox on stilts," the maned wolf's long legs help it to see over the tall Cerrado grass.

Maned wolf

The giant anteater uses its sticky tongue to lap up 35,000 ants and termites a day!

Giant anteater

King vultures don't have a great sense of smell. To make up for it, they follow other vultures to lead them to dead animals to eat.

King vulture

Although it has no legs, this isn't a snake, but an amphibian that lives underground.

Boettger's caecilian

Only the male helmeted manakin has this flashy red crest. The female is a plain gray-green bird.

Helmeted manakin

Found all over Central America and the north of South America, this lizard spends most of its life in trees, where it eats tender green leaves.

Green iguana



## SCALE

0 200 miles  
0 200 kilometers

## Location

The Cerrado lies in central Brazil. While it rains a lot here, the showers only fall during half the year, so it is dry for the other half.

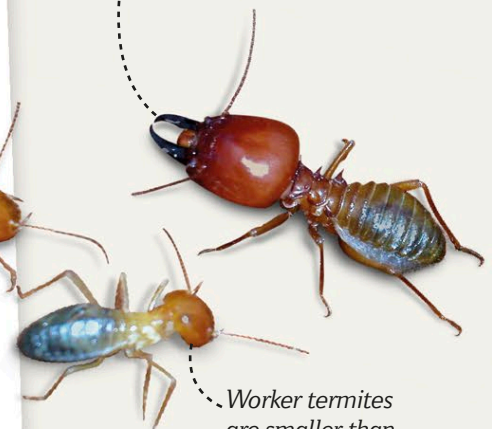


This mound houses a termite colony.

## Termites

Termites are ant-sized insects that build their own "cities." These huge mounds get up to 30 in (77 cm) high. The mounds have underground chambers where workers store wood, care for eggs, and even grow fungal gardens for food!

Soldier termites protect the mound with their huge jaws.



Worker termites are smaller than soldiers and don't have large jaws.

# Cordillera Blanca

Part of the Andes, this is the largest tropical mountain range in the world. Peaks over 19,685 ft (6,000 m) high surround valleys filled with lakes and streams. There isn't much oxygen at these heights, so it is hard to breathe, but the animals here manage surprisingly well.

## Taruca

You can tell a taruca apart from other deer by the dark, Y-shaped mark on its face. It feeds on mountain grasses, and travels into valleys to find water.



*The guanaco is the ancestor of domestic llamas. The closely related vicuña is the ancestor of domestic alpacas.*



*Vizcachas are related to chinchillas.*

**Andean condor** Female condors produce just one egg every two years. It takes almost 60 days for the egg to hatch.



**Guanaco** The guanaco is a member of the camel family. Movable pads on its hooves help it walk over rocky ground.



**Andean goose** The Andean goose lives in mountain wetlands, but it doesn't swim well, so it avoids the water!



**Colocolo** The colocolo is a nocturnal predator that hunts rodents, guinea pigs, and ground-nesting birds.



## Southern mountain vizcacha

The rabbitlike vizcacha spends a lot of time on rocky ledges, basking in the sun. It is covered in thick, soft fur all the way to the end of its curled tail.

*The colocolo resembles a house cat, but can be identified by the dark-colored bands and lines around its legs.*

**Mountain caracara** This black-and-white bird of prey builds nests of sticks on cliff ledges in the high Andes.

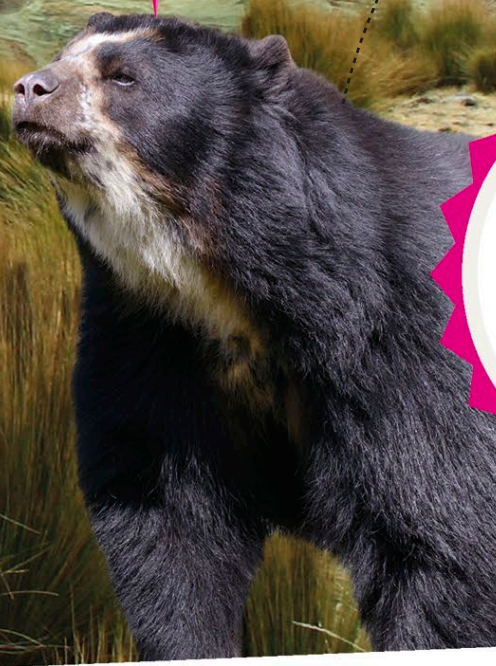


### Torrent duck

Native to the Andes, the torrent duck plunges in and out of cold, fast-moving mountain streams to catch insect larvae to eat. Females, like this one, are orange, but males are black and white.

**Spectacled bear** The spectacled bear eats fruit, flowers, and plants. It also hunts insects, rodents, and birds in grassland habitats.

**Culpeo** The culpeo spends most of its time alone, but parents stay together to raise cubs in mountain dens.



*The spectacled bear lives only in the Andean mountains.*



### Location

The Cordillera Blanca is a chain of mountains in northern Peru. Snow covers many of them, and temperatures range from 37–73°F (3–23°C).

### Giant hummingbird

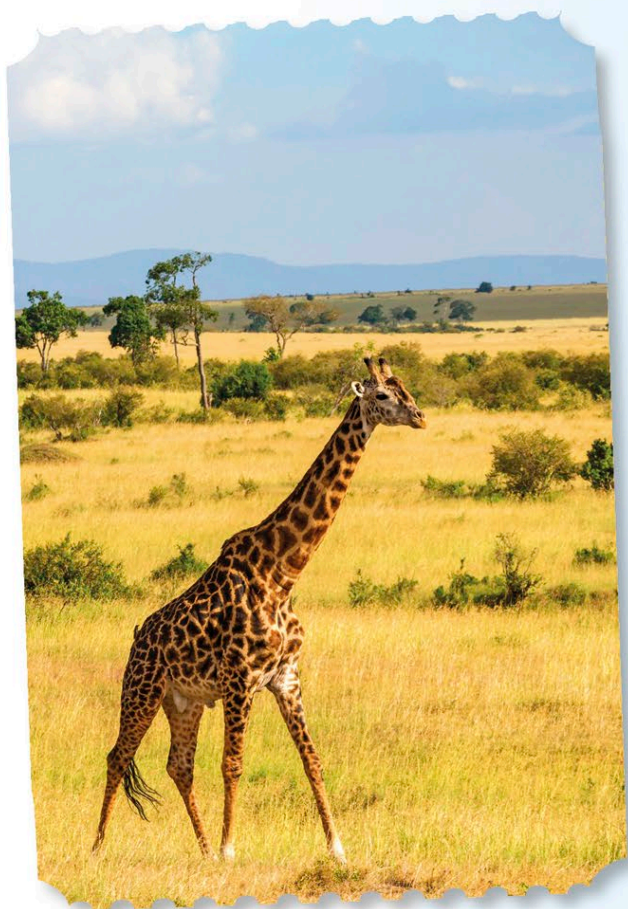
Giant hummingbirds get up to 8½ in (21.5 cm) long! They mostly feed on nectar from flowers, looking for the ones with the highest levels of energy-filled sugar. They also eat spiders and small insects.



*Giant hummingbirds are the biggest hummingbirds in the world.*

# Africa

This continent is so large and has so many different habitats, it feels as if there are several Africas, not just one. With deserts and rain forests, mountains and grasslands, Africa is home to some of the best-known—and most endangered—species on Earth.

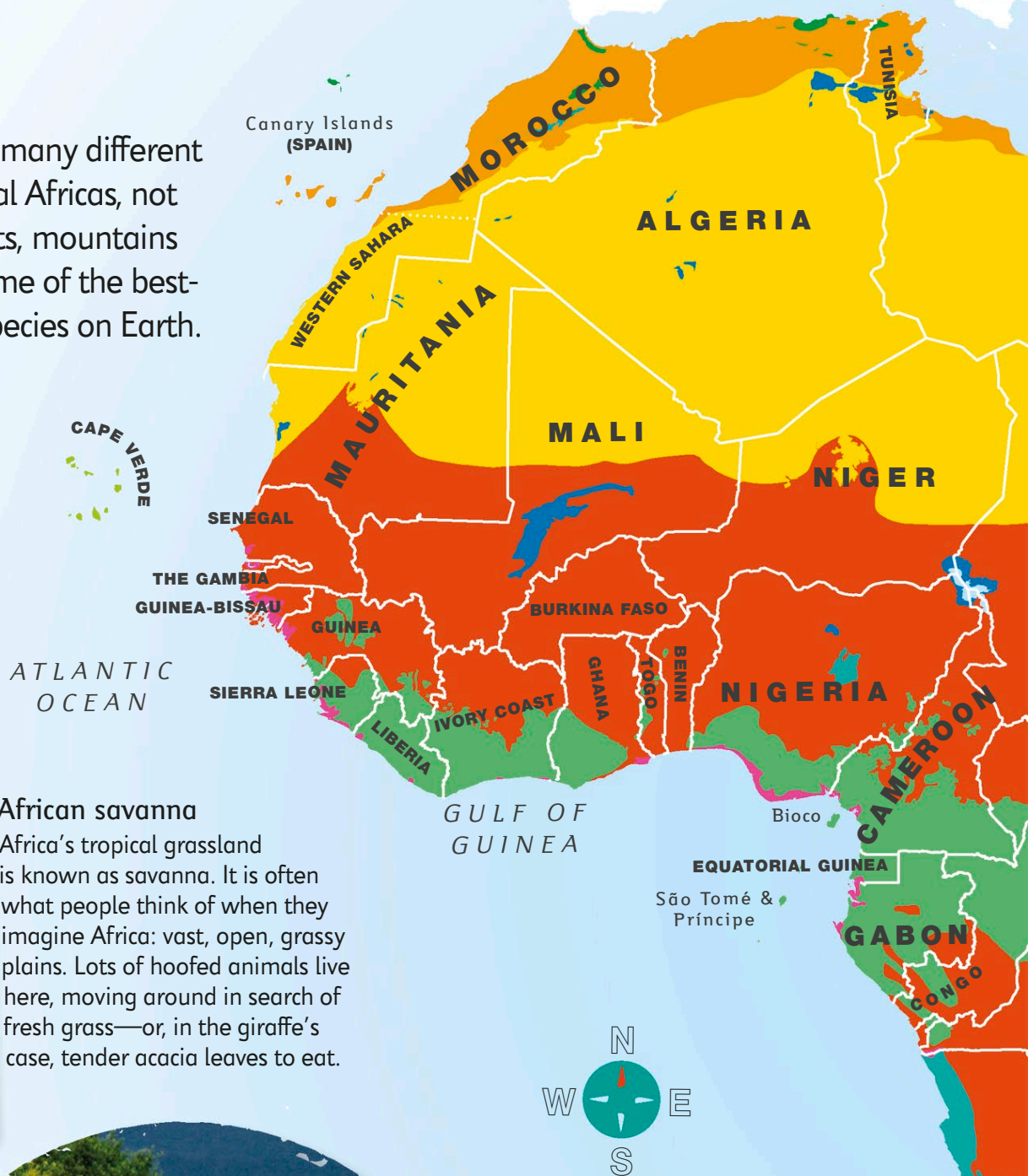


## African savanna

Africa's tropical grassland is known as savanna. It is often what people think of when they imagine Africa: vast, open, grassy plains. Lots of hoofed animals live here, moving around in search of fresh grass—or, in the giraffe's case, tender acacia leaves to eat.

## South African fynbos

The southwest tip of South Africa is covered with shrubs and heathland known as fynbos. Animals such as tortoises, frogs, and small baboons live among the 9,000 plant species that grow here. That's more plant species than in South America's Amazon rain forest!



## HABITAT KEY

- Tropical forests
- Deciduous forests
- Coniferous forests
- Tropical grasslands
- Scrublands
- Deserts
- Wetlands
- Mountains
- Mangroves



### Sahara desert

Huge, hot, and harsh, the Sahara at first seems too extreme a region for anything to survive. However, scorpions, snakes, rodents, lizards, and even foxes and hyenas make it their home. Camels also live here. They were brought to the desert around 200CE.



### Ethiopian highlands

This area is where most of Africa's tallest mountains are. Since they're so isolated, the highlands are a great place for birds and mammals, including the gelada, a type of monkey whose calls sound a lot like human speech.

### Madagascar's spiny forests

These are some of Earth's most amazing forests. They contain trees that are tall and thin with long, sharp spines for "branches," and other trees that are short with lots of thick, spiky limbs. The spikes don't stop lemurs from eating the trees' fruits, though!





### Striped hyena

Also found in Asia as far as India, this nighttime hunter has teeth and jaws strong enough to crush bone.

Rabat

Algiers

MOROCCO

ATLAS MOUNTAINS

TUNISIA



Barbary sheep

This is Africa's only wild sheep. Males charge at each other with their heads down when fighting.

Just 4 in (10 cm) long, this lizard licks its eyes to clean them.



Dune gecko

This snake's "horns" are really special scales that protect its eyes from sand.



Desert horned viper

AHAGGAR MOUNTAINS

ALGERIA

WESTERN SAHARA



Desert monitor lizard

The desert monitor uses its long, powerful tail like a whip to defend itself.

MAURITANIA

Also called a "screw-horn antelope," the endangered addax has horns up to 47 in (120 cm) long.



Addax

Nouakchott

MALI

Gigantic swarms of desert locusts can contain billions of insects and stretch for 40 miles (64 km).



Desert locust

ADRAR DES IFORAS

NIGER

Niamey

Bamako

Abuja



### Fennec fox

This small fox's huge ears aren't only great for hearing. They also help to keep the fox cool by releasing its body heat into the air.

# Sahara desert

The Sahara is the Earth's largest hot desert. It covers 3,630,000 sq miles (9,400,000 sq km) and is home to about 70 animal and 500 plant species. They have to deal with temperatures as high as 135°F (57°C) and very little rainfall.

SCALE

0 250 miles  
0 250 kilometers



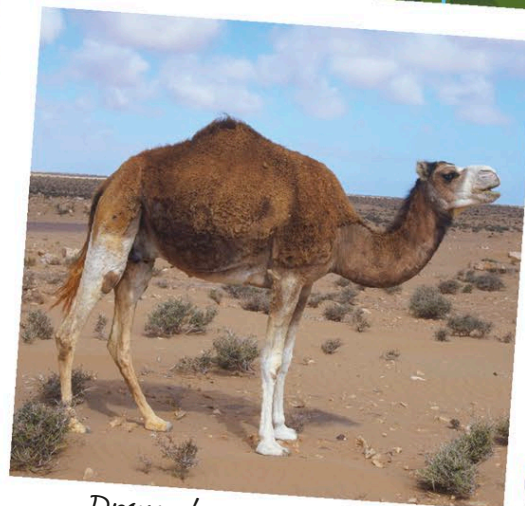
### Location

The Sahara stretches across North Africa, from the Atlantic Ocean in the west all the way to the Red Sea in the east.



### Dromedary camel

Dromedaries are well suited to the desert. They can store fat in their hump as food, have thick eyelashes to keep sand out of their eyes, and can drink 40 gallons (182 liters) of water without stopping!



Dromedary camels have only one hump.



### Emperor scorpion

At 8 in (20 cm) long, the emperor is the largest scorpion on the planet. Surprisingly, despite its big size, its sting is not deadly for humans.

# Congo Basin

Often called "Africa's Green Heart," the Congo Basin is a huge area of land surrounding the Congo River. This supports the world's second-largest rain forest, and, along with swamps and lakes, it is a haven for hundreds of amazing animals—including bonobos and chimpanzees, the closest living relatives of humans.



**SOUTH SUDAN**

**CHAD**

**MBANGA MOUNTAINS**

**CENTRAL AFRICAN REPUBLIC**

**CAMEROON**

**CONGO**

**DEMOCRATIC REPUBLIC OF THE CONGO**

**UGANDA**

**RWANDA**

## HABITAT KEY

- Wetlands
- Mangroves
- Tropical grasslands
- Mountains

This big cat stashes its prey up trees to keep it out of reach of other predators.

Bangui

Leopard

Yaoundé

**GABON**

The mandrill has the most colorful face in the monkey world—and a bluish-purple bottom!

Mandrill

Adult male gorillas are called "silverbacks" because of the silvery-white hair that covers their backs.

Western gorilla

Timid bongos have many stripes that look like light and shade, so they can hide easily in dense rain forests.

Bongo

Bonobo

This slender, peaceful ape eats less meat than its chimpanzee cousins and spends more time in trees.

If one buffalo is attacked by a lion, the rest of its herd will rush to defend it.

African buffalo

Juba

Although its legs are striped like a zebra's, the secretive okapi is a close relative of the giraffe.

Okapi

One of the world's most intelligent birds, gentle African greys can learn lots of human words.

African grey parrot

Kigali



Bujumbura

BURUNDI  
TANZANIA

Lake Tanganyika

MITUMBA MOUNTAINS

Common pangolin

Covered in protective scales, the pangolin rolls itself into a ball when threatened.

This eagle swoops down on fish from nearby trees, grabbing them in its sharp talons.

African fish eagle

Congo

ZAMBIA

ANGOLA

Kasai  
This tiny bloodsucker causes more deaths than any other creature because it passes on the disease malaria.

Anopheles mosquito

Kinshasa

Brazzaville

Slender lungfish

The lungfish lives in floodplains that often dry up. During these times, it uses its lungs to breathe air until the water returns.

Luanda

ATLANTIC OCEAN

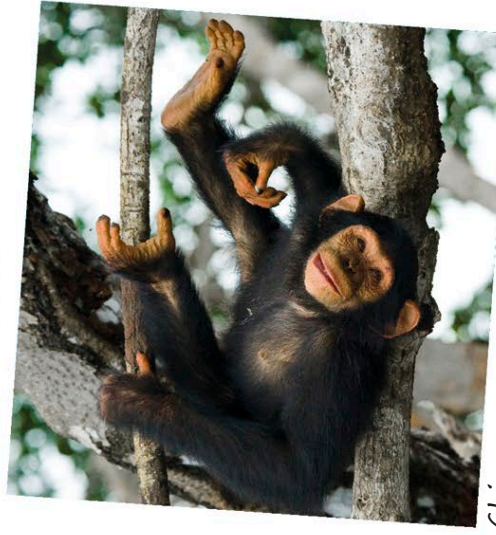
#### Location

The Congo Basin is located around the equator in west-central Africa. There are hot, humid places, and cooler, dry ones. Some parts also get a lot of rain.

SCALE

200 miles

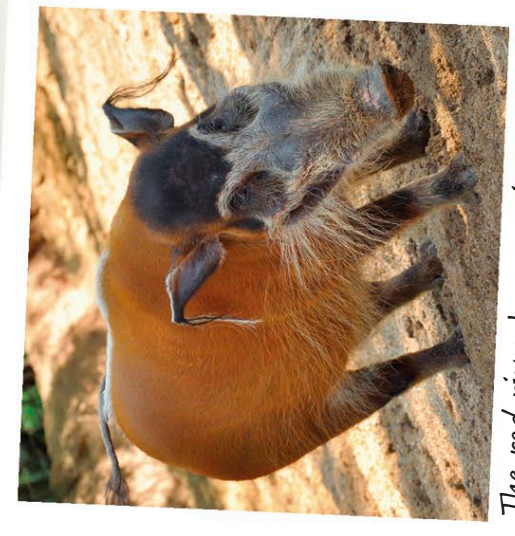
200 kilometers



*Chimpanzees are one of the closest living relatives of humans.*

#### White-throated bee-eater

The bee-eater lives in large families. It rubs bees and wasps against a hard surface to remove their stings before eating them.






**Red river hog**  
Red river hogs move around mostly at night, returning to burrows during the day to keep cool. They live in noisy family groups called sounders.

*The red river hog uses its snout to sniff out tasty roots in the ground.*

# Southern savanna

Much of southern Africa is covered in tropical grasslands called savanna. They're great places to find grazing animals, such as zebras and antelopes. This also means that they attract predators, such as lions.

## HABITAT KEY

-  Wetlands
-  Tropical grasslands
-  Mangroves
-  Mountains
-  Deciduous forests
-  Tropical forests
-  Hot desert

## SCALE

0 100 miles  
0 100 kilometers

ATLANTIC OCEAN



### Grant's zebra

Just like human fingerprints, a zebra's stripe pattern is unique. This means that no two zebras have the exact same stripes.

Kinda baboon babies can have white, gray, black, or even multicolored fur.



Kinda baboon

## DEMOCRATIC REPUBLIC OF THE CONGO

"Hippopotamus" means "water horse," but the hippo's closest relatives are dolphins and whales!



Hippopotamus

## BIÉ PLATEAU



Mohol galago

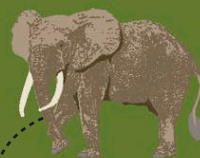
This tree-dwelling primate, also called a bush baby, can jump as far as 16 ft (5 m) in a single leap.



African lion

Lions are social cats. They live in groups called prides.

These dogs help each other. They rarely fight, and they take care of young, old, sick, or injured members of their pack.



African elephant

Earth's largest land animal, the African elephant has a brain four times bigger than a human brain.

Rhinoceroses don't see very well, but they have good hearing and an excellent sense of smell.



Black rhinoceros



African wild dog

## BOTSWANA

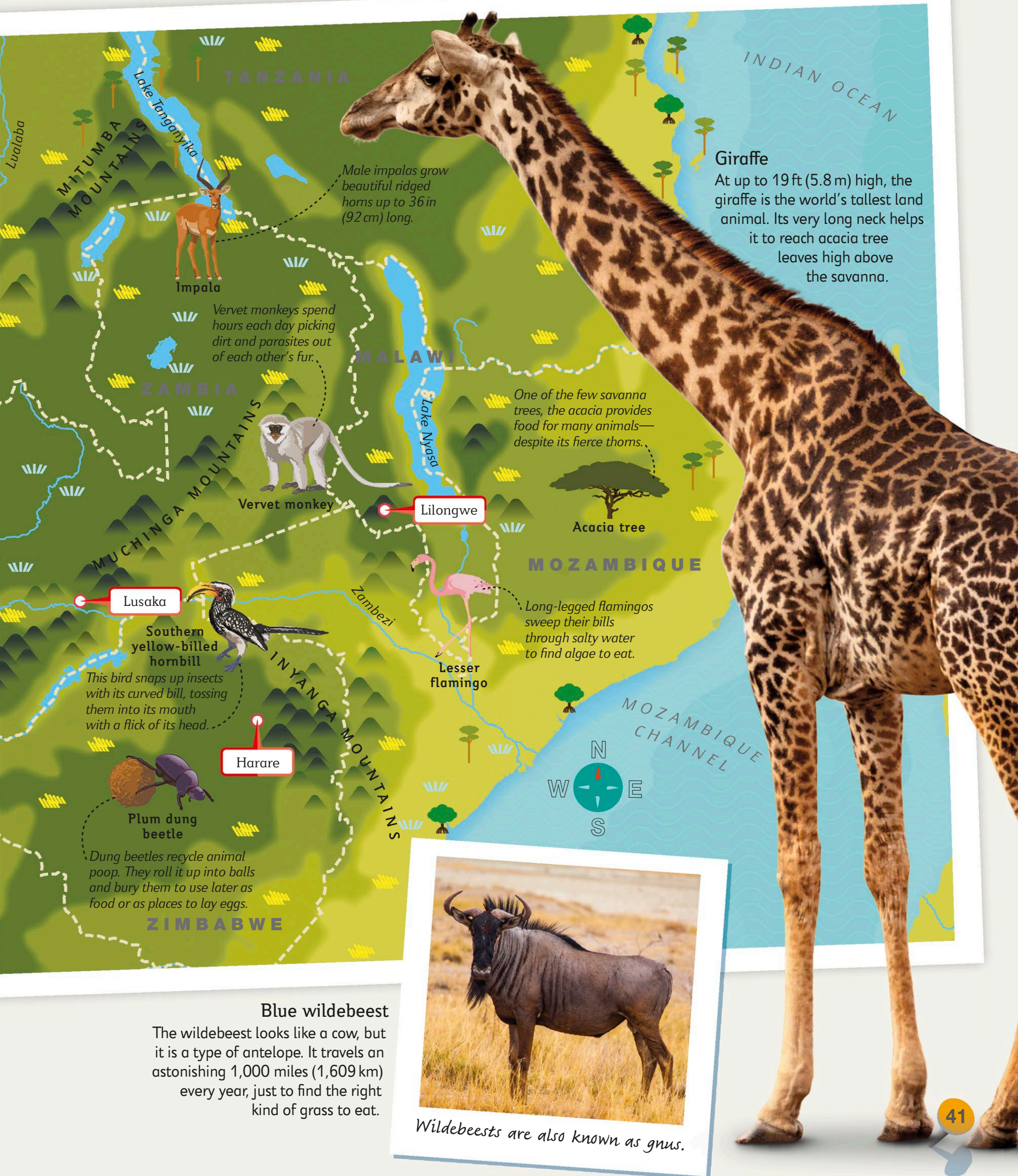
Okavango

## NAMIBIA

### Location

Savanna covers more than half of Africa, mostly in the central and southern parts. These areas have a rainy and a dry season, but it is hot all year.





INDIAN OCEAN

**Giraffe**

At up to 19 ft (5.8 m) high, the giraffe is the world's tallest land animal. Its very long neck helps it to reach acacia tree leaves high above the savanna.



Male impalas grow beautiful ridged horns up to 36 in (92 cm) long.

Impala

Vervet monkeys spend hours each day picking dirt and parasites out of each other's fur.

Vervet monkey

Lilongwe

One of the few savanna trees, the acacia provides food for many animals—despite its fierce thorns.

Acacia tree

MOZAMBIQUE

Long-legged flamingos sweep their bills through salty water to find algae to eat.

Lesser flamingo

Lusaka

Southern yellow-billed hornbill

This bird snaps up insects with its curved bill, tossing them into its mouth with a flick of its head.

Harare

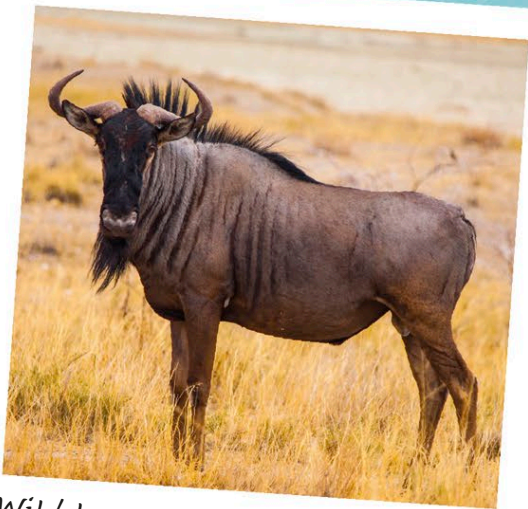
Plum dung beetle

Dung beetles recycle animal poop. They roll it up into balls and bury them to use later as food or as places to lay eggs.

ZIMBABWE

**Blue wildebeest**

The wildebeest looks like a cow, but it is a type of antelope. It travels an astonishing 1,000 miles (1,609 km) every year, just to find the right kind of grass to eat.



Wildebeests are also known as gnus.

# Kalahari desert

The Kalahari is a huge, dry, sandy area in southern Africa. In some parts of the Kalahari, it may not rain for up to eight months. Many animals here have to travel in search of fresh grass to eat, and predators follow them.

## Sociable weaver

These small birds build giant nests, over 21 ft (6 m) wide, with up to 100 weavers in each one. Some nests are so heavy that they break the tree they're in!



Sociable weavers' massive nests can last for 100 years.



## Location

The Kalahari covers most of Botswana and parts of Namibia and South Africa. In summer, it can become as hot as 104°F (40°C).



## HABITAT KEY

- Wetlands
- Scrublands
- Tropical grasslands
- Hot desert

## SCALE

0 100 miles  
0 100 kilometers

## ANGOLA

Okavango

Circling high in the desert sky on its broad wings, this bird searches for dead animals to eat.



White-backed vulture

Growing up to 9 ft (2.8 m) tall, the ostrich is the world's largest bird. It can't fly, but it can outrun most of its predators.



Ostrich

Warthogs kneel on their front legs when munching on fresh grass.



Common warthog



Springbok

This high-leaping antelope moves around in large herds. Both males and females have horns.

## BOTSWANA



Aardvark

The aardvark's name means "earth pig." It can eat up to 50,000 ants a night!

During the day, this large rodent sleeps in caves or burrows. At night, it comes out to find plants to eat.



Cape porcupine



African bullfrog

This big frog lives underground during the dry season, which can last 10 months of each year!

Vaal

Bloemfontein

## Meerkat

Meerkats help each other protect their families. They take turns standing on guard and warn other meerkats if danger approaches.



## Cheetah

The world's fastest land animal, the cheetah can run at speeds of up to 68 mph (110 kph). It takes just three seconds for this cat to reach its top speed.



## NAMIBIA



ATLANTIC OCEAN

Windhoek

Gaborone

Pretoria

# Madagascar

Madagascar is the fourth-largest island in the world, and it is amazingly rich in wildlife. More than 250,000 different species of animals live here, and two-thirds of them are found nowhere else on Earth. Sadly, many are endangered.

## Location

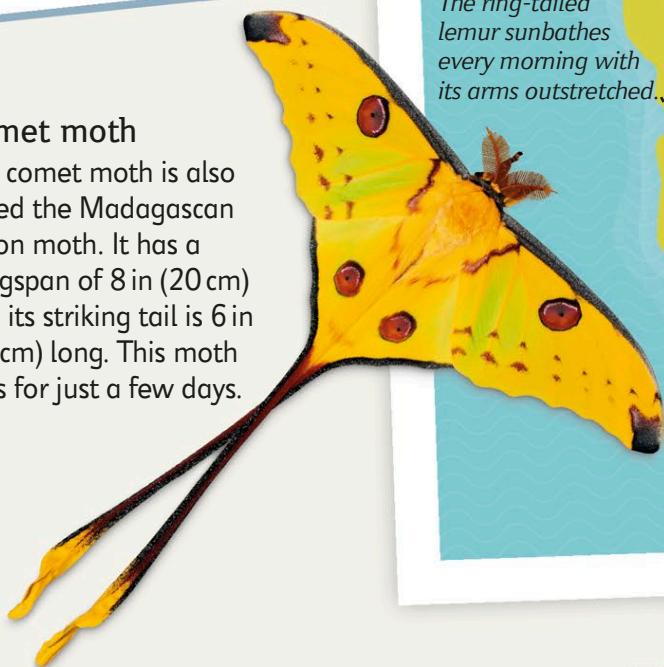
Madagascar is in the Indian Ocean, off the coast of Africa. It has two seasons: hot and rainy, and then cool and dry.



Leaf chameleons are possibly the world's smallest reptile.

## Comet moth

The comet moth is also called the Madagascan moon moth. It has a wingspan of 8 in (20 cm) and its striking tail is 6 in (15 cm) long. This moth lives for just a few days.



**Leaf chameleon**  
Just 1.1 in (29 mm) long, this tiny species of leaf chameleon remained unknown to scientists until 2012.

*The ring-tailed lemur sunbathes every morning with its arms outstretched.*

Ring-tailed lemur

*This strange-looking lemur taps its long middle finger on trees to find grubs—its favorite food.*

Aye-aye

Baobab

*The baobab's thick, wide trunk can hold thousands of liters of rainwater.*

Ploughshare tortoise

*Male ploughshare tortoises try to flip each other over during fights.*

Tomato frog

*This frog's bright-red color is a warning to predators that it is toxic.*

Lowland streaked tenrec

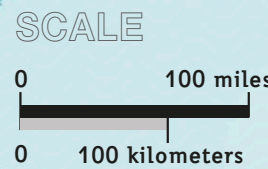
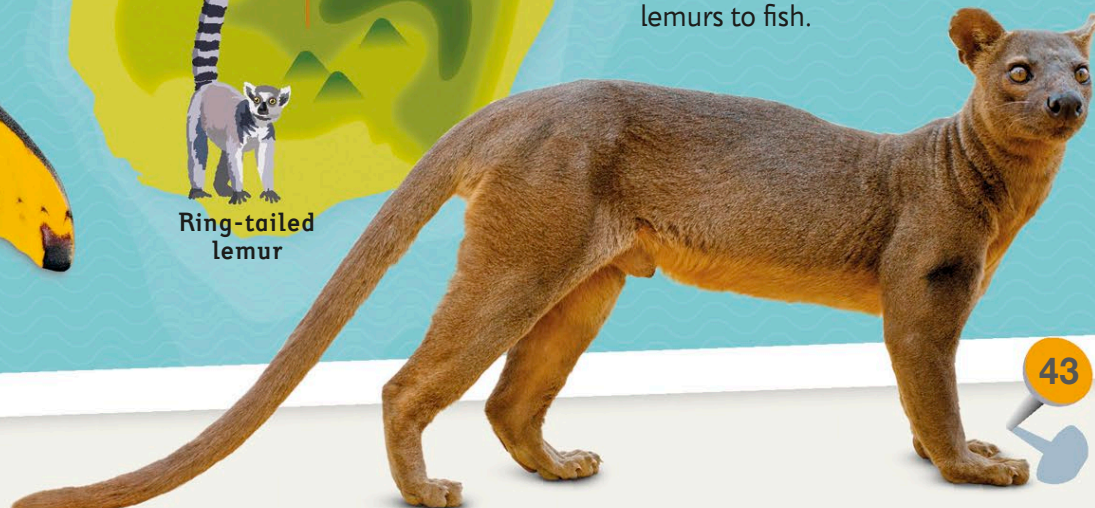
*This hedgehoglike animal has spines sticking out of its fur.*

## HABITAT KEY

- Mangroves
- Tropical forests
- Mountains
- Deciduous forests

## Fossa

Madagascar's largest predator is the catlike fossa. It climbs trees and uses its long tail to help it balance. Fossas hunt many animals, from lemurs to fish.



MOZAMBIQUE CHANNEL

INDIAN OCEAN

Panther chameleon

*Male panther chameleons are color crazy! Their body patterns are a mix of pink, blue, orange, green, red, and yellow.*

MADAGASCAR

Antananarivo

ANKARATRA MASSIF

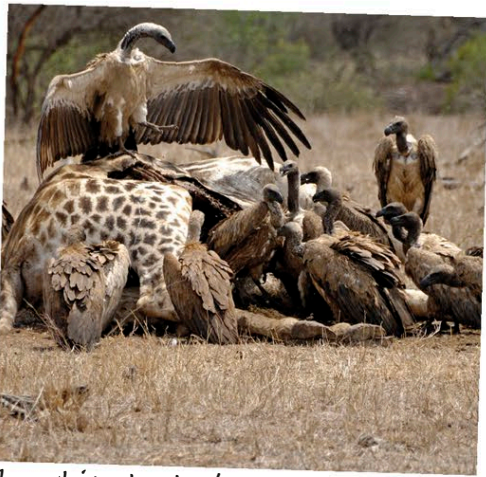
Betsiboka

Lake Alaotra

Mangoky

# Kruger National Park

South Africa's Kruger National Park is filled with wildlife. More than 140 mammal species and hundreds of birds live in its savanna, mountains, and tropical forests. Watering holes provide places for animals to drink during the dry season.



*The white-backed vulture is the most commonly seen vulture in Africa.*

## White-backed vulture

This big vulture eats dead animals. Up to 1,000 of them may gather to feed on an elephant carcass, squabbling and fighting while they eat!



## Secretary bird

The secretary bird strides through the savanna on its long legs, looking for grasshoppers, voles, and mice to eat. It kills snakes by stomping on them!

**Giraffe** Special valves in a giraffe's neck stop blood from rushing to its head when it bends over to drink.

**Hippopotamus** A hippo's eyes, ears, and nose are on top of its head, so it can see, hear, and breathe while the rest of it is underwater.

**Honey badger** Almost 3 ft (1 m) long, the honey badger is one of the most fearless animals in Africa. It even fights lions!

**Aardvark** The aardvark uses its wide, strong claws to dig burrows as well as find insects to eat.

*The aardvark's nostrils contain lots of hairs to stop dust from going up its nose when it is digging.*

## Bateleur

This eagle's name means "tightrope walker" because it rocks its wings from side to side when it glides, as if it's balancing. Its bright-red face has no feathers at all.



**Plains zebra** Zebra herds travel long distances to find enough grass to eat. They must also drink at least once a day.

**African elephant** An elephant's trunk contains 40,000 muscles! It uses its trunk to spray water into its mouth for a drink.

**African lion** In a pride of lions, females do most of the hunting. The male is the only cat with a mane.

**Impala** To escape predators, impalas leap forward up to 29½ ft (9 m) and as high as 8 ft (2.5 m). Sometimes they leap over each other!

*African elephants have much larger ears than Asian elephants.*



## Location

Kruger National Park covers 7,523 sq miles (19,485 sq km) in northeastern South Africa. It lies south of Zimbabwe and west of Mozambique.

## Cheetah

A cheetah's impressive bursts of speed can only last for short distances. Afterward, it's tired, so other animals can easily steal its kill!



*Cheetahs are instantly recognizable from the black spots on their coat.*

*Impalas eat grass in the rainy season and shrubs and herbs at other times.*

# Europe

At first glance, the continent of Europe may seem too crowded for wildlife. There are 739 million people living here, in 44 countries! But with dense forests, sandy beaches, high mountains, and miles of moorland, animals still have plenty of different habitats to choose from.

## Scottish moorland

Northern Scotland has acres of moorland. These rainy highlands have acidic, peaty soil, formed by sphagnum moss. They are full of a pretty pink- and purple-flowering shrub called heather. Heather is home to many insects, birds, and small mammals.



## The Camargue

This triangular coastal wetland is found where the Rhône River meets the Mediterranean Sea. Its 359 sq miles (930 sq km) of sandy marshes are home to 400 bird species, and to animals unique to this area, such as the Camargue horse.

## HABITAT KEY

- Deciduous forests
- Coniferous forests
- Scrublands
- Temperate grasslands
- Deserts
- Tundra
- Ice

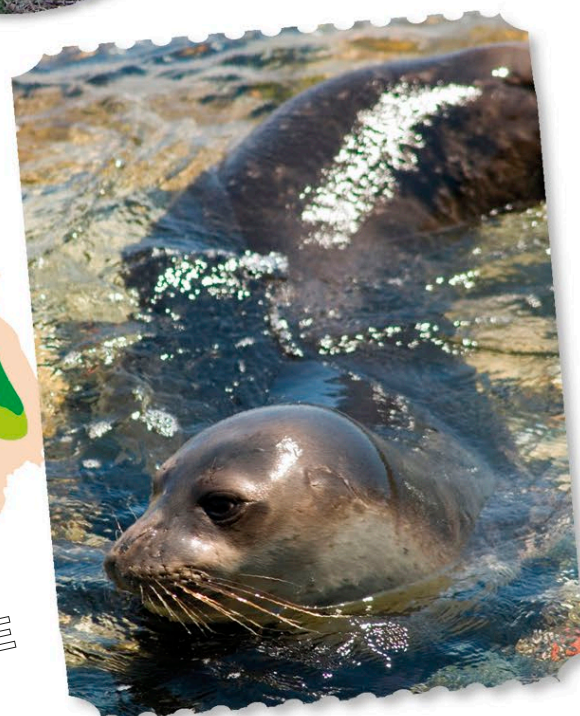


## SCALE



## Northern taiga

The coniferous forests of Norway, Sweden, Finland, Russia, and Iceland have long, cold winters and mild summers. Animals like the Eurasian moose prefer it that way—they overheat easily, so the cool taiga is one of their favorite places!

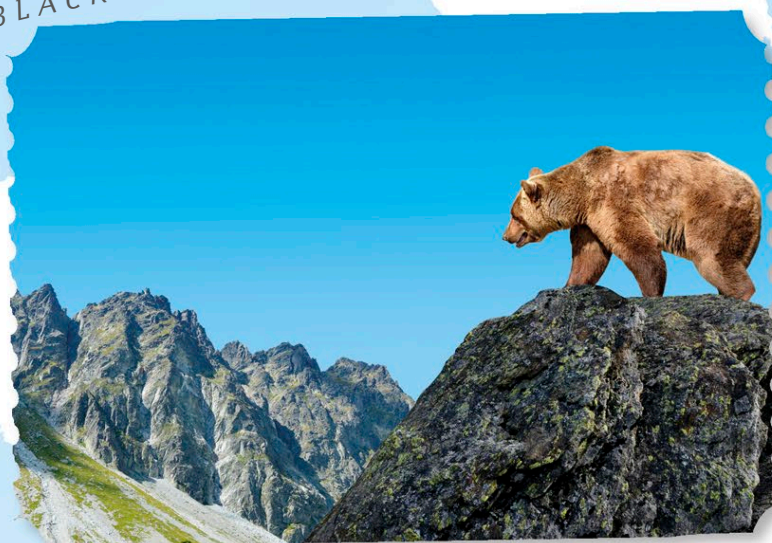


## Mediterranean coast

Thousands of people live near the Mediterranean Sea, and there are always plenty of visitors. This leaves little space for wildlife. However, larger mammals, such as the endangered Mediterranean monk seal, are found on rocky offshore islands.

## Carpathian Mountains

The Carpathian Mountains run for 932 miles (1,500 km) through central and eastern Europe. They are home to wolves, wild boar, and around 8,000 brown bears, mostly in Slovakia, Poland, Ukraine, and Romania.



Puffins can fly at about 55 mph (88 kph) and swim underwater for up to one minute.



Puffins

Reykjavik

ICELAND

In the spring, several male hares chase a female, who may turn around and box them with her front feet!

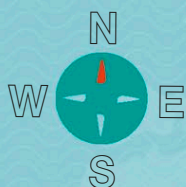


Mountain hare

Predators hunt many of these small rodents, but their numbers grow quickly. Females can have young every 3 to 4 weeks, all year round!



Norway lemming



SWEDEN

A superb climber, the lynx often hides in trees and then drops down onto an unsuspecting deer.



Eurasian lynx

This bat has shaggy brown fur with blond tips. It is the only bat found north of the Arctic Circle.



Northern bat



Boreal owl

The boreal owl has such good hearing that it can pinpoint voles hidden beneath the snow.

Oslo

Helsinki

Stockholm

Tallinn

ESTONIA

Riga

LATVIA

LITHUANIA

BELARUS

Gotland  
BALTIC SEA

# Northern European taiga

Taiga is the evergreen forest that grows in cool, wet, mountainous places in the far north of the world. Mammals need thick, furry coats, and birds need to fluff up their feathers to keep warm. During the cold winters, food can be hard to find.

## Carion crow

The crow has a huge brain for its size. It's so smart that it makes and uses tools, and recognizes faces. It will even teach other crows to identify a mean human!



The eider swallows mussels whole, crushing their shells in its stomach.

## Common eider

The eider is the Northern Hemisphere's largest duck. Mother eiders lead their chicks to the sea, where they swim in groups of more than 150 chicks!

BARENTS SEA

This type of finch's bill is crossed at the tip, which is ideal for pulling conifer seeds out of cones.



Parrot crossbill

Used as Christmas trees, the Norway spruce can grow to 131 ft (40m) in height and live for 1,000 years.

Also called the fish eagle, the osprey plunges into water feetfirst to grab fish with its talons.



Osprey

The wolverine is the biggest member of the weasel family. It has a bite so powerful it can crush bone.



Wolverine

## RUSSIAN FEDERATION

The jay survives cold winters by storing food, especially berries. It hides them in trees, or covers them with bark and lichens.



Siberian jay

## SCALE

0 100 miles  
0 100 kilometers

## HABITAT KEY

- Mountains
- Coniferous forests
- Deciduous forests

Male capercaillies perform a dance in an area called a "lek" to attract females. They put their tails up, their wings down, and make sounds like popping corks!



Western capercaillie

This toad's skin gives off a nasty substance that stops most predators from eating it. It can live for up to 40 years.



Common toad

## Stoat

The stoat is a lightning-fast member of the weasel family. Usually reddish brown, its coat turns white in winter, making it hard to see against the snow. The tip of its tail, however, stays dark.



When a stoat has its white coat, it's called an ermine.

## Location

This part of the taiga runs across the top of Europe eastward to the Ural Mountains in western Russia. Winters here are very cold and snowy.

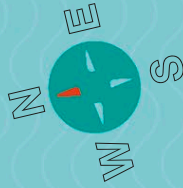
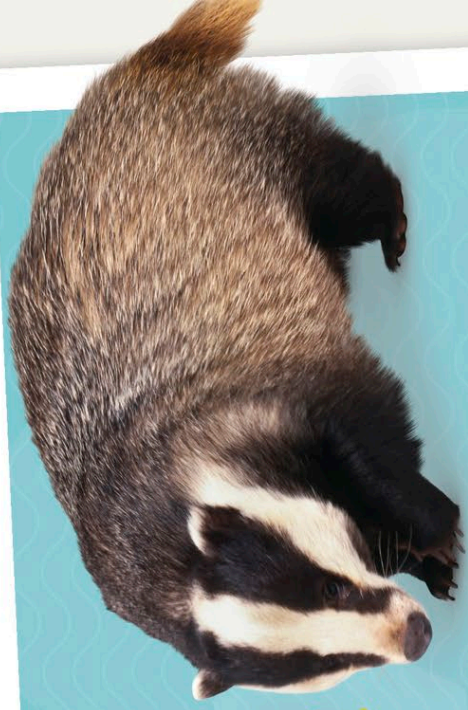


# British Isles

The British Isles are made up of the United Kingdom—which includes England, Scotland, Wales, and Northern Ireland—and the Republic of Ireland. Although wolves and bears once lived here, today the largest wild mammal is a deer.

## European badger

The badger likes to live in groups. Six or more share a system of underground tunnels called a sett, which they dig out with powerful claws. One badger can eat hundreds of earthworms in a single night!



## SCALE

0 50 miles  
0 50 kilometers

## HABITAT KEY

- Wetlands
- Mountains
- Coniferous forests
- Deciduous forests

## Location

This group of islands is found off the northwest coast of mainland Europe. The weather is often wet and windy, but summers can also be very warm.



Cold British waters don't bother this marine mammal. It has a 2½ in (6 cm) layer of fat under its skin, called blubber, to keep it warm.



Gray seal

This wildcat looks like a big domestic cat, but it's really a fierce, strong predator with 18 razor-sharp claws!



Scottish wildcat



Red squirrel

Red squirrels can be right- or left-handed—you can tell by the way they handle a pinecone.



The European hedgehog has around 5,000 spines in its coat.

## European hedgehog

If threatened, this hedgehog curls up into a ball. Although it is known for eating earthworms and slugs, it actually prefers insects—even wasps and bees.

NORTH SEA

Edinburgh

Clyde

Scotland

Shetland Islands

Orkney Islands

Outer Hebrides

GRAMPANS



Shore crabs must shed their old shells as they grow because once it hardens, the shell can't get any bigger.

The barn owl has a heart-shaped face. Its color and silent flight mean it is often called the "ghost owl."

English oaks can grow up to 131 ft (40m) high. They don't produce acorns until they are at least 40 years old.

This tiny beetle eats a pest called an aphid. Just one ladybug can eat over 5,000 aphids in its lifetime—which is just one year.

The dormouse's paws turn sideways to help it climb. It can spend three-quarters of the year either asleep or in hibernation!

**Buff-tailed bumblebee**  
Unlike honeybees, which live in hives, bumblebees nest in the ground, usually in an abandoned mouse or vole hole. They are important pollinators and rarely sting.

### Common European adder

The adder is the only venomous snake in Britain, but this shy, secretive snake is rarely seen. The zigzag pattern on its back helps it hide under leaf litter.



Bumblebees collect pollen and nectar from flowers.

# European forests

Forests here mostly have a mix of trees. Some, like the Bavarian Forest in Germany, have more conifers, such as spruce. Others, such as Białowieża Forest in Poland, have more broad-leaved trees, like oak. All, however, provide great homes for animals.



A red fox's bushy tail is called a brush.

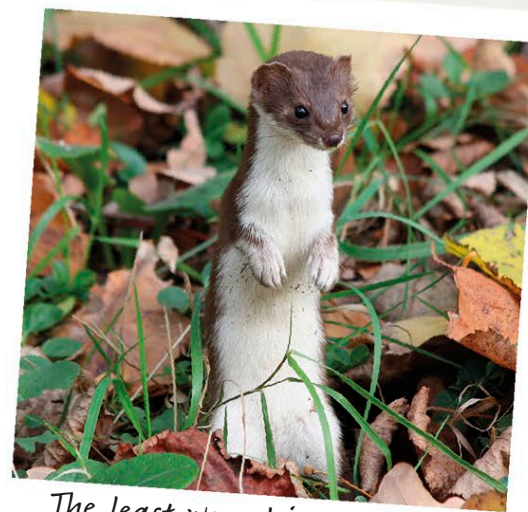
## Red fox

This adaptable mammal can live almost anywhere—farms or city centers, marshes or mountaintops. It lives in more places in the world than any other carnivore.

## Location

There are areas of forest in mainland Europe from Portugal as far as Russia. Some get really hot in summer, while others are cool all year round.





The least weasel is only about 9½ in (24 cm) long.

### Least weasel

Small, energetic, and deadly, the weasel hunts mice and voles in their burrows, which it often uses to make a den of its own. It even lines its nest with its prey's fur in winter.



Daubenton's bats use sound to find insect prey at night.

### Daubenton's bat

This "super-sleeper" hibernates for about six months of the year. It likes to roost near water in caves, abandoned mines, tunnels, or hollow trees.

### Eurasian eagle owl

This owl is one of the largest in the world—it has a wingspan of almost 6½ ft (2 m). It is so big, it can catch mammals as large as a full-grown fox or young deer!



# The Alps

The mountains of the Alps divide the cooler northern parts of Europe from the warm southern parts. With mountain lakes, glaciers, meadows, and forests, there are plenty of places for different animals to live. As many as 30,000 different species make their home here.

## Location

The Alps stretch through eight countries in total. The highest parts are always snowy, but in summer lower parts can reach 86° F (30° C).

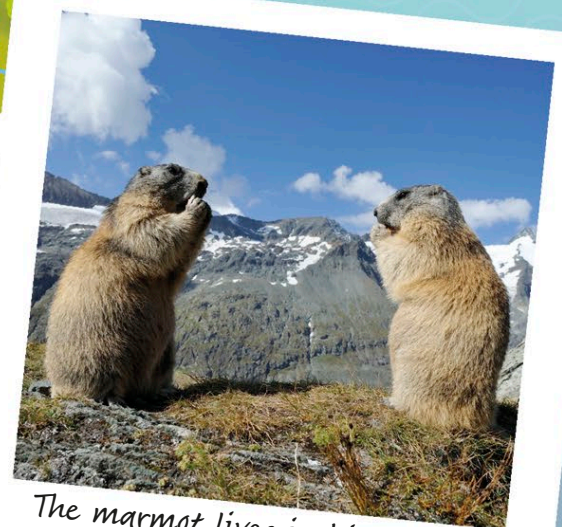


## Pine marten

Powerful forelimbs and strong claws make martens excellent climbers. They even race through the trees to hunt squirrels.

## Alpine marmot

The alpine marmot digs long, deep burrows where it hibernates for up to nine months of the year. When hibernating, a marmot breathes just one to two times a minute!



The marmot lives in high alpine meadows and pastures.

# European steppe

The steppe is a temperate grassland habitat. Many animals here are seasonal visitors from other habitats, while some, such as hamsters and moles, live here all year round.

## Black-bellied hamster

This hamster digs summer and fall burrows 19½ in (50 cm) below the ground's surface. Its winter burrow can be 6½ ft (2 m) deep.

When swimming, this hamster inflates its cheek pouches to act like water wings!



Black fur on its underside gives the black-bellied hamster its name.



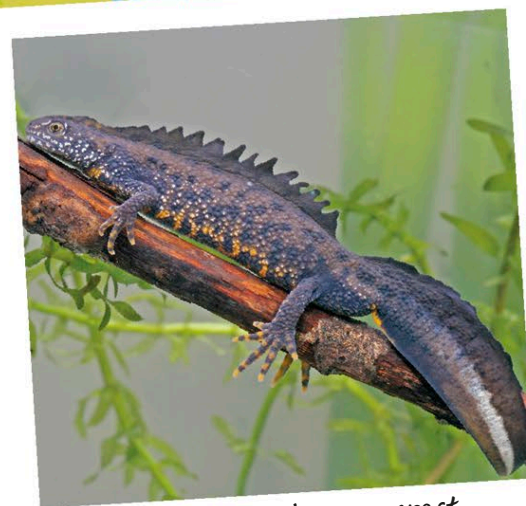
## Location

The European steppe stretches from Romania in the west to the Ural Mountains in the east, where it merges with the Asian steppe.



## Common nightingale

This little bird is plain to look at, but its song sets it apart. Nightingale songs have high and low notes, phrases, and trills that other birds can't make.



Only males have a crest on their backs.

## Northern crested newt

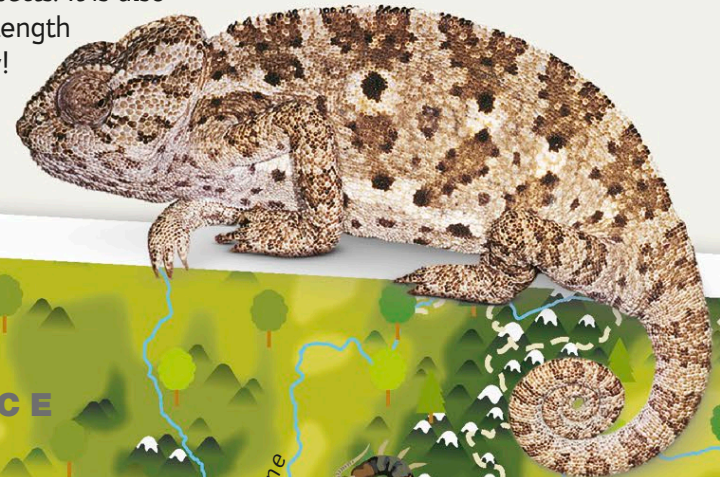
Also called the great crested newt, this amphibian gets up to 6½ in (17 cm) long. Newts are most active at night, and spend the day hiding in ponds, or under damp logs or rocks.

# Mediterranean scrubland

The coastal areas around the Mediterranean Sea contain rocky hills and flat, shrub-filled plains. This rare habitat is found in only a few places on Earth. Plants here can survive wildfires, and animals have to deal with hot, dry weather.

## Mediterranean chameleon

This is one of only two chameleon species found in Europe. Its tongue is sticky to catch passing insects. It is also twice the length of its body!



This wolf is thinner and smaller than other European wolves. It hunts rabbits, deer, wild boar, birds, and fish.



Iberian wolf

Madrid

Tagus

Iberian ibex



Jeweled lizard

The sapphire-like blue spots on its body give this lizard its name. It is the largest lizard in Europe at about 23½ in (60 cm) long.

A type of wild goat, male Iberian ibexes have horns that grow up to 29½ in (75 cm) long!

This monkey is found in Africa and on the island of Gibraltar, near Spain. It is the only wild monkey in Europe.



Barbary macaque



Iberian pig

This pig is a farmed animal, but lives in open country, looking for mushrooms, roots, and acorns from cork oaks.

FRANCE

Garonne

Rhône

MONACO

Mediterranean banded centipede

Mediterranean tree frog

This frog is usually bright green or blue. It has suckers on its fingers and toes that let it climb with ease.

The cuckoo lays its eggs in other birds' nests. When the cuckoo chick hatches, it pushes all the other eggs out—so the parent birds feed it instead!



Common cuckoo

MEDITERRANEAN SEA

## HABITAT KEY

Scrublands

Wetlands

Mountains

Coniferous forests

Deciduous forests

## SCALE

0 200 miles  
0 200 kilometers

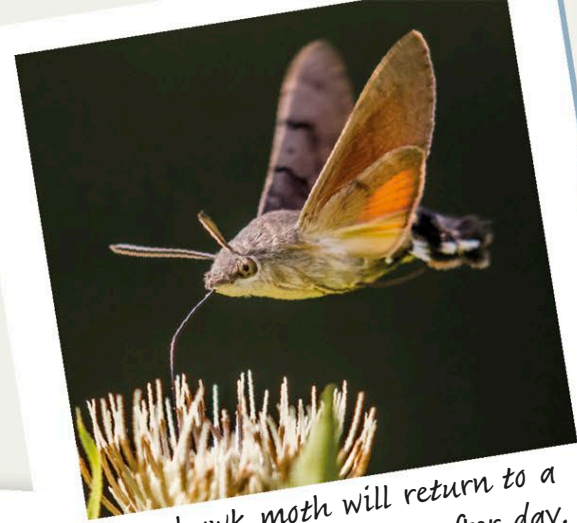
## European rabbit

The European rabbit is the ancestor of all pet rabbits in the world. Unlike its enemy, the Iberian lynx, the rabbit has been seen in yards and parks, and even in busy cities.

## Location

This region includes the southern parts of Europe around the Mediterranean Sea, as well as islands like Crete that share a similar habitat.





The hawk moth will return to a nectar-rich flower day after day.

### Hummingbird hawk moth

This insect beats its wings so fast that they make a humming sound—just like the birds it's named after. It feeds on nectar made by flowers like buddleia and honeysuckle.

### Iberian lynx

Just 404 adult Iberian lynxes are left in the wild, so this is the most endangered cat on Earth—but the good news is this figure is nearly twice the number of wild lynxes alive a few years ago!



The Iberian lynx mostly hunts just one animal—the European rabbit.



SAN MARINO

The golden jackal is found in many places, including southeastern Europe, northern Africa, and southern Asia.

Zagreb

Golden jackal

Belgrade

Sarajevo

Podgorica

Pristina

Skopje

Tirana

Dalmatian pelican

Marginated tortoise

Athens

The cork oak is one of few trees that can grow new bark. The cork bark is harvested once every nine years to make bottle stoppers and other items.

Cork oak

The magpie is so smart that it can make and use tools. It eats insects and seeds, and will even steal other birds' eggs.

Eurasian magpie

In addition to making other sounds, this pelican barks and hisses! When fishing, it fills up its beak with food to eat later.

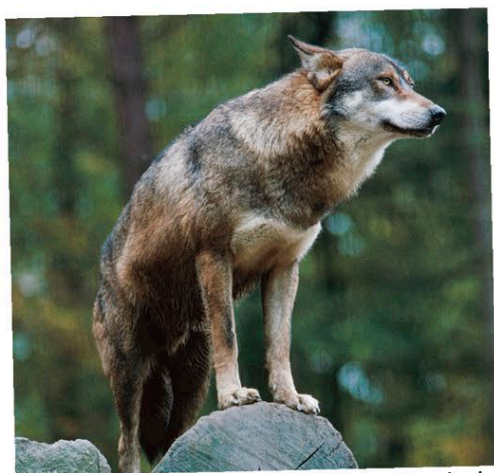
This plant-eating tortoise lives mostly in Greece, in thorny, rocky, scrubby areas.

### Mediterranean house gecko

This little gecko is about 4 in (10 cm) long and weighs about as much as a sugar cube. It is also called a "moon lizard" because it mostly comes out at night. It eats small cockroaches and moths.

# Białowieża Forest

Białowieża is lowland Europe's only old-growth, or "primeval," forest. Forests like this once covered all of northeastern Europe. Its many different trees and habitats mean Białowieża is home to thousands of animals, including the rare European bison!



*All domestic dogs are descended from the gray wolf.*

## Gray wolf

The gray wolf is found in Europe, North America, and Asia. Packs of four to five wolves hunt deer, elk, wild boar, rabbits, and beavers.



## Common toad

Many parts of this forest are wet, including rare places known as "spruce bog forests," where coniferous spruce trees grow in very wet ground. These habitats make a perfect home for the common toad!

**Pine marten** Pine martens are related to weasels but, unlike weasels, they hunt in the trees. They chase small mammals such as squirrels.

**Red fox** Foxes feed on a wide variety of foods. In Białowieża, they eat yellow-necked mice, hares, and the carcasses of red deer killed by wolves or lynxes.

**Red deer** Red deer find leaves, small twigs, and bark to eat in the fall and winter, and herbs and grasses during the summer.

*A male and female red fox have a territory that they share, which is where they raise their young.*



**Great spotted woodpecker**

Woodpeckers nest in holes made in tree trunks. They search for tasty insect prey in the bark.

**European bison** The bison is Europe's largest land mammal. There are around 900 in Białowieża forest.

**Tawny owl** This woodland owl hunts at night for birds, rodents, amphibians such as frogs, and bats to eat.

**Yellow-necked mouse**

This mouse prefers living in woodland, because it eats a lot of tree seeds. It is also an excellent tree climber!

**Eurasian badger** Badgers are common in forests. In addition to plenty of worms to eat, they find lots of hollow trees, which they use as daytime shelters.

**Eurasian red squirrel**

Eurasian red squirrels like to eat seeds, especially from conifer trees.

**Noctule bat**

Noctule bats nest in hollow trees. The holes must be high enough to avoid predators such as pine martens. Noctules are one of the first bats to come out at night, and hunt moths and flying ants.

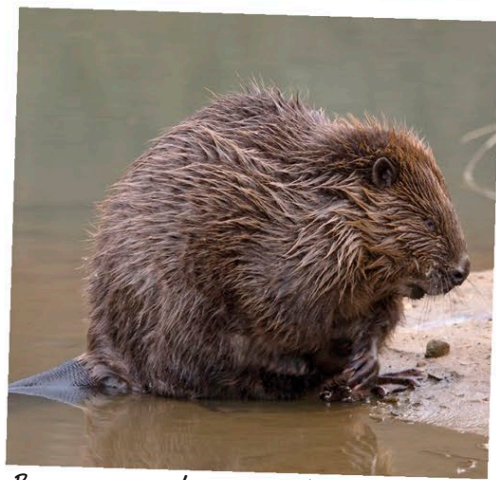


**Location**

Białowieża Forest covers 579 sq miles (1,500 sq km) across Poland and Belarus. Temperatures range from 21° F (-6° C) in winter to 75° F (24° C) in summer.

**Eurasian beaver**

The Eurasian beaver disappeared from Białowieża in the mid-19th century due to hunting. It was reintroduced in 1956. Today, they live all along the rivers, streams, and ponds throughout the forest.



*Beavers produce an oily substance that keeps their fur waterproof.*

# Asia

Welcome to Earth's largest continent! Asia contains half the world's human population, but there is still a lot of land for wildlife. Habitats here include vast deserts, grassy plains, snowy mountains, and dense, green rain forests.



## City wildlife

The Turkish capital of Istanbul is rich in wildlife—337 of the country's 483 bird species, such as this seagull, live here. The city is also part of an important migration route for hundreds of thousands of storks, raptors, and water birds each year.



## Savanna

This region in northern India is warm all year round. It has the highest grasslands in the world—some grow more than 10ft (3 m) tall! The grasslands provide food for deer and rhinos, and cover for predators such as the tiger.



## Arabian highlands

The Arabian highlands are made of the mountains and high plateaus that border the desert of the Arabian Peninsula, in southwest Asia. The highlands are cooler than the desert, and have more rainfall, so shrubs and grasses can grow. These plants are food for animals such as camels.





### Himalayas

Running through northeast India and parts of five other Asian countries, the Himalayas are the world's highest mountains. Their highest, rockiest areas offer enough food sources for the rare snow leopard, and this strong yak.

### HABITAT KEY

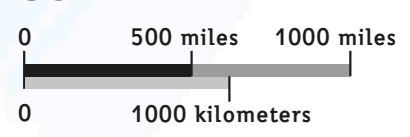
- Tropical forests
- Deciduous forests
- Coniferous forests
- Tropical grasslands
- Scrublands
- Temperate grasslands
- Desert
- Wetlands
- Mountains
- Tundra
- Ice
- Mangroves



### Bornean rain forest

Borneo is the third-biggest island in the world, and the Bornean rain forest is 140 million years old! About 221 mammal species live here, including Asia's only great ape, the highly endangered orangutan.

### SCALE



# Russian taiga

Taiga is also called "snow forest." It's found in cool, high places, like in northeast Russia, and is made up of coniferous forests. Animals use trees for food and shelter, and as places to hide from predators.



A brown bear takes to the river to hunt for salmon.

## Brown bear

The most widespread of all bear species, the brown bear eats mostly roots, berries, and other parts of plants, but it will also hunt animals. Adults can be more than 7 ft (2 m) tall when they stand on their hind legs.

The sable is a member of the weasel family. It hunts chipmunks, mice, and birds.

Fur-covered flaps of skin linking its legs let this tiny squirrel glide from tree to tree.

## Siberian flying squirrel

## Sable

This deer has fangs! They're really tusklike teeth that the males use to fight each other.

## Siberian musk deer

This wapiti is a large type of deer that forms herds of 100 or more in the fall.

## Siberian wapiti

Fast-growing birch trees shed their bark like tissue paper as they grow.

## Silver birch

The saiga's swollen, flexible nose hangs over its mouth, helping keep out the dust kicked up by its herd in summer.

## Saiga antelope

## Siberian tiger

This is the world's biggest wild cat. Males weigh up to 660 lb (300 kg). It even has a mane, like a lion's, to help keep its neck warm in cold Siberian winters.

## HABITAT KEY

Wetlands

Mountains

Snow and ice

Coniferous forests

Deciduous forests



*The Ural owl aggressively defends its territory, chasing away intruders.*

### Ural owl

This big owl hunts rodents, frogs, and birds that it spots from its perch. In spring, it sings a courtship duet with its lifelong mate.

*This is the only chipmunk found outside North America. It has five dark and four white stripes running along its back.*

Siberian chipmunk

Snow sheep

*Both male and female snow sheep have big, curved horns that grow in a corkscrew shape as they get older.*

Siberian blue robin

*Blue robins often look for food near rivers, but they never stray far from the forest.*

Siberian rubythroat

*Its main home is the taiga, but this little bird is sometimes spotted in Scotland and North America.*

*This seal lives only in Lake Baikal, which is an icy, freshwater lake in Russian Siberia.*

Baikal seal

*Wood frogs spend the winter hibernating in holes on river bottoms.*

Siberian wood frog

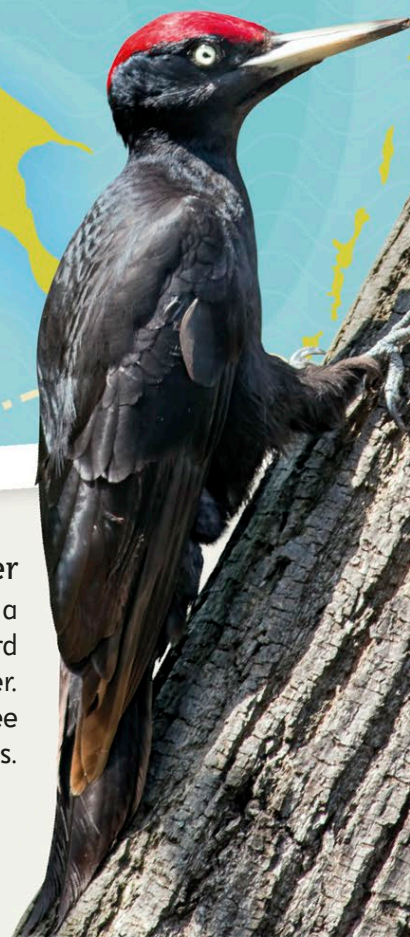
### Location

Taiga stretches over northeast Russia, eastward to the Pacific Ocean. Summers are short, but the winters are long and snowy.



### Black woodpecker

Strong neck muscles and a sharp bill make this bird a champion wood borer. It chisels out holes in tree trunks, where it lays its eggs.



# Asian steppe

A steppe is a high, grassy, mostly treeless plain. Animals here live on grass and other plants—or on the animals that do! They must be able to survive freezing winters, hot summers, and harsh wind, and to go long periods without water. On the steppe, watering holes are in short supply.

## Central Asian tortoise

Also called the steppe tortoise, this animal's shell is almost as wide as it is long. It has claws on each foot—and one on its tail, too!



This nocturnal animal can cover 11 miles (18 km) a night in its search for food.

## Steppe polecat

This wild cat's coat turns from frosty gray in winter to reddish gray in spring.

## Pallas's cat

Wild horses live in herds of females and foals led by a male, called a stallion. Stallions fight over who gets to lead.

## Przewalski's wild horse

The onager looks like a horse, but is smaller and brays like a donkey.

## Onager

## Steppe eagle

This bird hovers above its prey before swooping down and grabbing it with its powerful talons.

This squirrel digs two types of burrows: one for hibernation, and one to hide in from predators like eagles.

## Little ground squirrel

## Tashkent

## Dushanbe

## Bishkek

## Astana

## Bobak marmot

The bobak digs burrows up to 13–16 ft (4–5 m) deep, where it hibernates up to six months each year.

## HABITAT KEY

- Wetlands
- Temperate grasslands
- Mountains
- Coniferous forests
- Deciduous forests
- Cold desert

## SCALE

0 200 miles  
0 200 kilometers



## Peregrine falcon

These falcons normally hunt other birds. When hunting, peregrines make a steep dive called a "stoop." During a stoop, they can reach speeds of up to 150 mph (240 kph)!

## Location

The Asian steppe stretches from west of the Caspian Sea, through central Asian Russia, and as far east as the Altai Mountains.





A secret toadhead agama stands alert.

### Secret toadhead agama

The insect-eating agama keeps several secrets. It may look like a regular desert lizard, but when it displays, it opens its mouth to reveal a deep reddish pink and expands two spiny cheek flaps.

### Location

There are deserts in Kazakhstan, Uzbekistan, and Turkmenistan, and parts of Afghanistan, Pakistan, and Iran.



# Central Asian deserts

There are different kinds of deserts here. Some are salty and sandy. Others are rocky or have clay soil. All are dry. Water is found mostly near desert borders where rivers can overflow.

# Tibetan Plateau

This high, flat region of Asia is surrounded by mountains. It's so high that it's often called the "roof of the world." The animals that live here have to deal with thin air and bitter winters.

## Location

This region includes Tibet and parts of southwest China. Summers are dry and warm, and winters are often below freezing.



## Asiatic black bear

This bear is also called the "moon bear" due to the pale, crescent-shaped band on its chest. It spends about half of its life up in trees.



## HABITAT KEY

- Tropical forests
- Tropical grasslands
- Mountains
- Coniferous forests
- Deciduous forests
- Cold desert

Many kinds of plants grow on the plateau, including this serratula, a type of thistle.



Himalayan alpine serratula

Islamabad

This little relative of the rabbit is so suited to rocky ground that it often nests in a pile of stones!

Himalayan mouse hare

This large, cowlike animal has extra-big lungs that help it to get enough oxygen from the thin air.



Wild yak

PAKISTAN

The tahr is a wild goat that has hooves with rubberlike cores. These help it grip onto smooth rocks.

Himalayan tahr

New Delhi

INDIA

NEPAL

HIMALAYAS

Himalayan wolf

Kathmandu

The Himalayan wolf is a rare type of gray wolf. Some are almost white—like snow on the Himalayas!



Himalayan marmots dig very deep burrows to hibernate in.

## Himalayan marmot

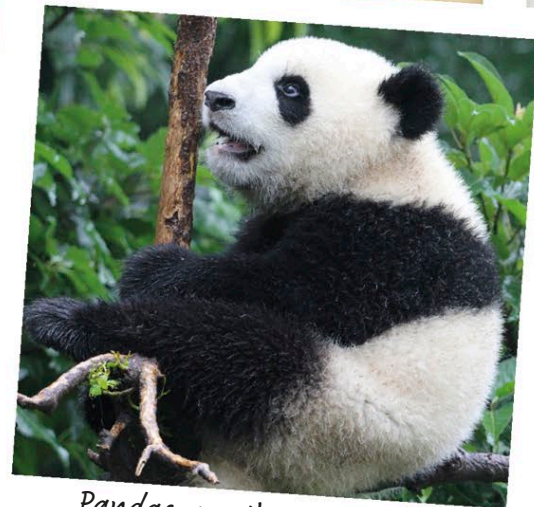
Nicknamed the "Tibetan snow pig," this ground squirrel is one of the only mammals on Earth that lives above 16,400 ft (5,000 m).

## SCALE

0 100 miles  
0 100 kilometers

When threatened, the mountain weasel scares away predators with a foul-smelling spray called musk.

Mountain weasel



Pandas are the only bears that eat just plants.

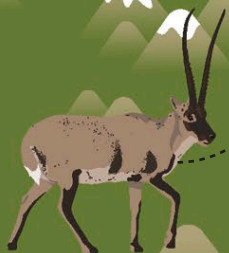
ALTUN MOUNTAINS

CHINA



Bearded vulture

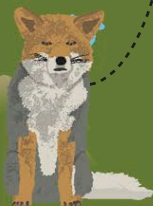
This bird picks up bones in its claws and carries them high into the air. It then drops the bones on rocks to shatter them into bite-sized pieces.



Chiru

The chiru is a type of antelope. It has soft wool, called shahtoosh, which is very good at keeping it warm through winter.

This very rare fox hunts rodents and lizards. Its slitlike eyes help to lessen glare from the sun.



Tibetan sand fox

Also called the Himalayan blue sheep, the bharal has a bluish sheen to its gray coat. This makes it hard for its enemies to see it against rocky cliffs.



Bharal



Kiang

Herds of kiang can have as many as 400 animals. When they travel, kiangs follow their female leader in single file.



Tibetan toad

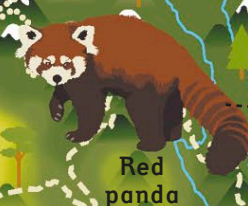
This toad is one of the very few amphibians that are able to live so high up.

Thimphu

BHUTAN

BANGLADESH

MYANMAR



Red panda

This raccoonlike animal is also called the "fire fox" or "fire cat" due to its striking red fur.

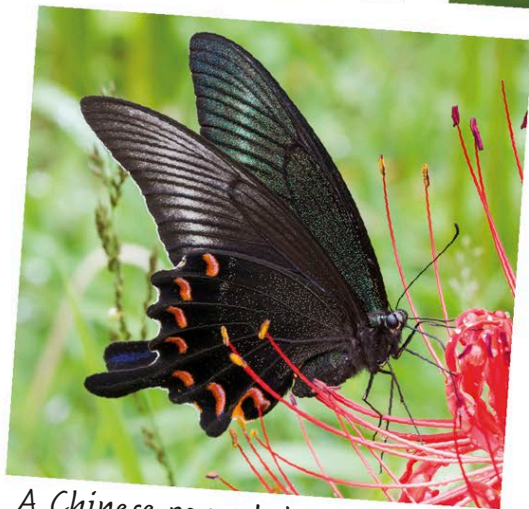
## Snow leopard

These cats have a thick, spotted coat that keeps them warm and helps them blend in when hunting. They keep their face warm when they sleep by covering it with their furry tail.



# East Asian forests

Eastern Asia's deciduous forests are full of trees like oak and ash, as well as some walnut and birch. With streams and rivers, mountains and grassland edges, they are a haven for animals.



*A Chinese peacock butterfly feeds on a spider lily plant.*

## Japanese sika deer

The sika is a small deer—males are only 3 ft (95 cm) at shoulder height. They make strange noises, too, such as the male's long, whistle-like call that sounds like a siren.



## MONGOLIA

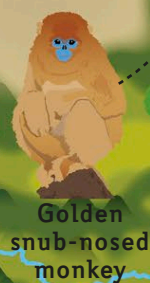
### Chinese peacock butterfly

This forest butterfly's size depends on what time of the year it comes out of its cocoon. Spring Chinese peacocks have a wingspan of up to 3 in (8 cm). Summer ones have a wingspan up to 5 in (12 cm).

Ulan Bator

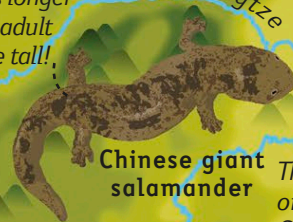
Beijing

This monkey has a blue face! It spends 95 percent of its time in the trees.



Golden snub-nosed monkey

Earth's largest amphibian grows to 6 ft (1.8 m) long. That's longer than many adult humans are tall!



Chinese giant salamander



Asian tiger keelback

This snake eats poisonous toads, absorbs the poisons, then releases them later from its neck glands!

Huang He

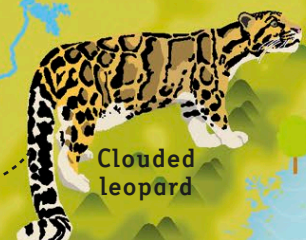
Male Baikal teals make a deep chuckling sound—wot-wot-wot!



Baikal teal

## CHINA

This is the smallest of the "big cats." Cloudlike spots help this leopard blend in with its forest home.



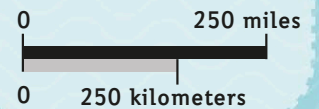
Clouded leopard

## RUSSIAN FEDERATION

## HABITAT KEY

	Wetlands		Coniferous forests
	Temperate grasslands		Deciduous forests
	Mountains		Cold desert

## SCALE



This popular game bird, which has been hunted in Europe for centuries, is originally from Asia.

Common pheasant

Although it is a relative of the dog, this animal does not bark. Instead it whines, growls, or even mews!

Raccoon dog

SIKHOTE-LIN RANGE

SEA OF JAPAN

Red-crowned crane

This tall, graceful, endangered crane is a symbol of love and good luck in Japan.

## NORTH KOREA

Pyongyang

Gorals warn other gorals of danger by making a wheezing alarm call.

Seoul



Long-tailed goral

## SOUTH KOREA

This clever, short-tailed monkey loves to bathe in Japan's natural hot springs to keep warm.



Japanese macaque

Japanese serow

The serow is a goat antelope—a hooved mammal with traits of both goats and antelopes.

The Japanese marten can jump 6½ ft (2 m) from the ground into a tree!

Japanese marten

Tokyo

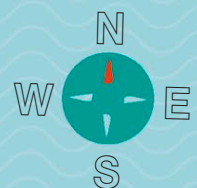
## JAPAN

Cherry blossom

The Japanese cherry tree is called the sakura in Japanese. Its blossom is a traditional symbol of Japanese culture.

EAST CHINA SEA

PACIFIC OCEAN



## Location

There are broad-leaved forests in parts of eastern China, southeast Russia, North and South Korea, and Japan.



## Mandarin duck

Despite their bright colors, Mandarin ducks are hard to spot in the wild. They hide under plants that hang over lakes, or in nests they build in hollow trees.



# Arabian Peninsula

The Arabian Peninsula is a hot, dry part of the world, and it is covered by sandy deserts. The animals that live here have special ways of dealing with its harsh conditions.

## Arabian partridge

This partridge lives on the ground, where it looks for seeds, grass, and insects to eat. The female lays her eggs in a shallow, scooped-out hole.



Partridges run rather than fly away when threatened.



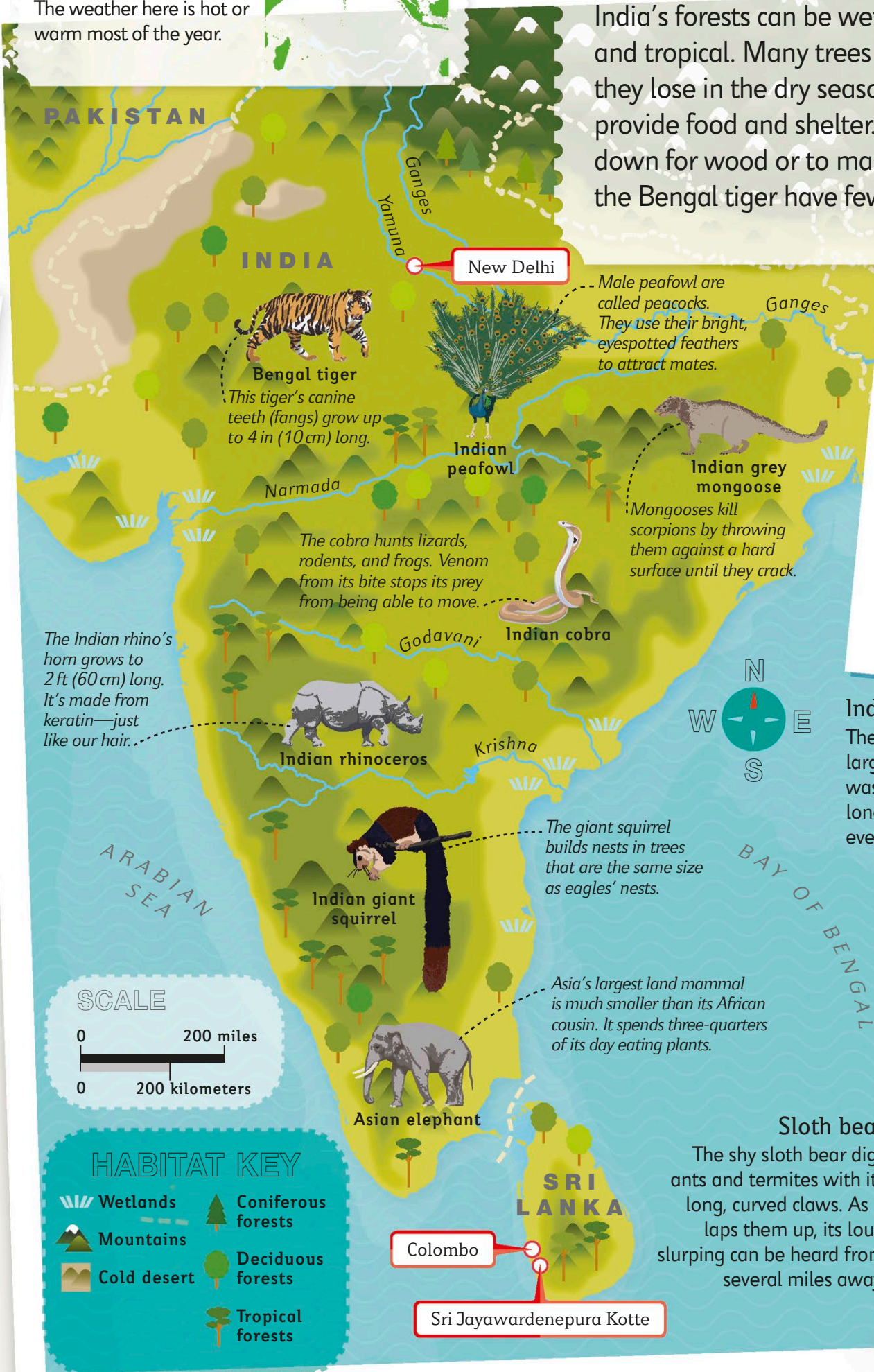
## Location

Indian forests stretch from the Himalayan mountains south to the Indian Ocean. The weather here is hot or warm most of the year.



# Indian forests

India's forests can be wet or dry, but all are warm and tropical. Many trees have broad leaves that they lose in the dry season. For animals, the forests provide food and shelter. However, since trees are cut down for wood or to make farmland, animals like the Bengal tiger have fewer places to live.



The Indian giant hornet's bright orange color makes it easy to spot.

## Indian giant hornet

The giant hornet is the world's largest—and probably angriest—wasp. It grows up to 2 in (5 cm) long and will sting anything that even slightly disturbs its nest.

## Sloth bear

The shy sloth bear digs ants and termites with its long, curved claws. As it laps them up, its loud slurping can be heard from several miles away.





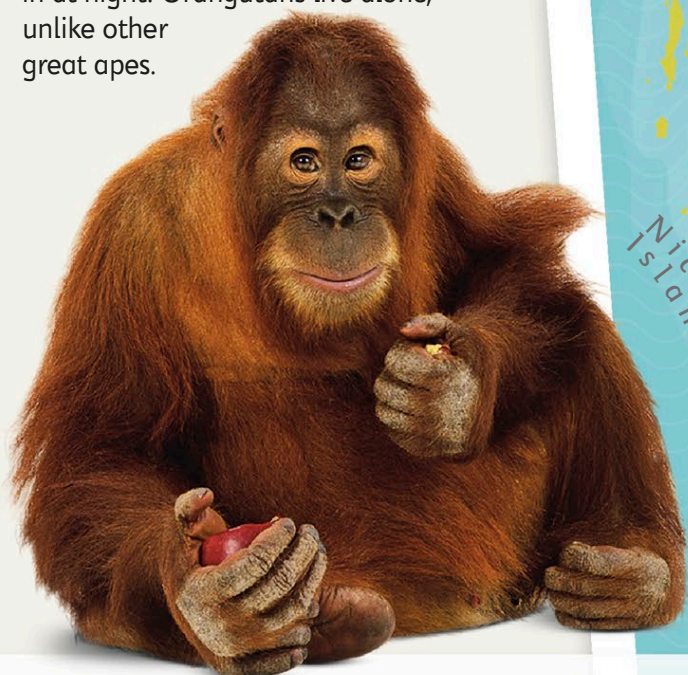
*Female orchid mantises look like flowers. Males are smaller and duller in color.*

### Orchid mantis

This insect disguises itself as a pink-and-white orchid flower. When other insects land nearby, they are caught unaware as the mantis strikes.

### Bornean orangutan

Fruit-eating orangutans live in trees. They bend branches into nests to sleep in at night. Orangutans live alone, unlike other great apes.



# Southeast Asian rain forest

The Southeast Asian rain forests are some of the oldest on Earth, and they are home to hundreds of animal species. As the rain forests are cut down, however, amazing animals like the Sumatran rhinoceros become rarer and rarer.

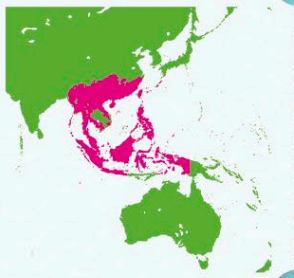


Taipei

**TAIWAN**

## Location

Lots of countries make up Southeast Asia, including many island nations. All are tropical, with a rainy monsoon season and a hot, dry season.



## HABITAT KEY



Wetlands



Tropical forests



Mountains

## SCALE

0 200 miles

0 200 kilometers

A big "sail" of skin on its tail helps drive the soa-soa water lizard forward when it swims.



Soa-soa water lizard

Manila

**PHILIPPINES**

SULU SEA

Just 6 in (16 cm) tall, this little primate can turn its head right around to look backward!

Philippine tarsier



This species of humpback dolphin is usually gray, but it can also be white, or even pink!



Indo-Pacific humpback dolphin

Only male birds of paradise have amazing, colorful feathers, which they show off to attract females.



Greater bird of paradise

The world's smallest type of bear uses its long tongue to lap up insects, but its favorite food is fruit.



Sun bear

**INDONESIA**

Sulawesi

Proboscis monkey



Male proboscis monkeys' huge noses help to make their calls louder.

The world's biggest lizard, the Komodo dragon grows up to 6 ft (2 m) long. Its venomous bite can kill a water buffalo!



Komodo dragon

**EAST TIMOR**

Dili



One sting from a ribbontail stingray can kill a would-be predator.

## Ribbon-tail stingray

This stingray swims in shallow water, looking for crabs, shrimp, and small fish to eat. Its bright-blue spots and stripes warn other sea creatures to stay away.

## King cobra

The king cobra can grow up to 18 ft (5.5 m) long. It lives almost entirely off other snakes, which it hunts by sight and smell. Unusually, this snake doesn't hiss—it growls!



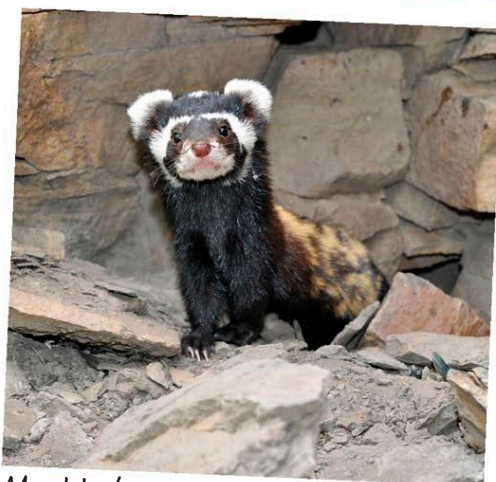
# Gobi desert

The Gobi is Asia's largest desert. It spans more than 460,000 sq miles (1.2 million sq km). Temperatures here can be as scorching hot as 122°F (50°C) and as freezing cold as -40°F (-40°C), but many tough animal species are able to survive despite the extreme conditions.



## Dinosaur fossil

The Gobi tells us a lot about prehistoric wildlife. Hundreds of dinosaur fossils of many types have been found here—including some from 250 million years ago! This was also first place in the world where dinosaur eggs were identified.



*Marbled polecats are named after the pattern on their backs.*

**Gobi bear** This is the Earth's rarest bear. Fewer than 50 Gobi bears remain in the desert, their only home.

**Mongolian wild ass** The wild ass waits for rare rain showers. After the showers, it can feed on fresh grass.

**Mongolian marmot** This rodent spends winters in its burrow, where it is safe from predators such as eagles.

**Long-eared jerboa** This tiny, mouselike jerboa hops around the desert at night, looking for tasty insects to eat.

## Marbled polecat

This little predator doesn't see very well, but it has no trouble finding most of its prey by smell. It hunts rodents, birds, and reptiles—mostly during cool desert nights.

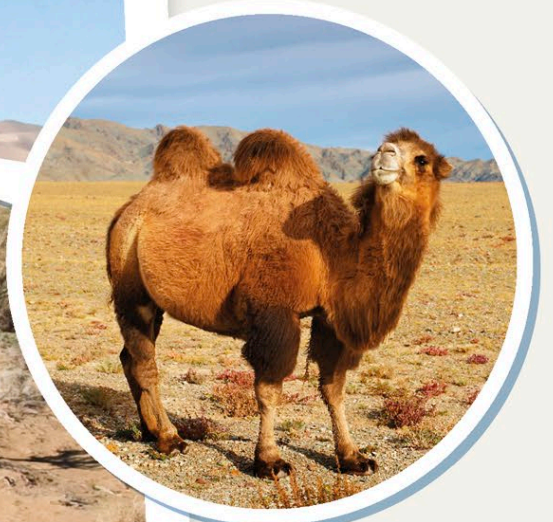
*This jerboa's enormous ears are almost as long as its body! Scientists think they release heat, keeping the jerboa cool.*

**Great bustard** Each year, male great bustards grow "whiskers" that look a lot like ears of wheat!



*The great bustard flies with slow, steady beats of its wings, which end in long, white feathers.*

**Yarkand gazelle** Unlike other gazelles, the Yarkand doesn't "bound." If scared, it sprints away as fast as it can!



### Bactrian camel

The Bactrian camel has two humps, where it stores fat to help it survive for long periods without food. If it can't find enough plants to eat, it will eat bones, rope, or even a tent!

**Przewalski's wild horse** This wild horse is always on the move, looking for water and short grasses to eat.



### Location

The Gobi stretches across northwestern China and southern Mongolia. The average rainfall here is less than 8 in (190 mm) a year!

### Saxaul tree

The gnarly saxaul has a lot of roots to anchor it in the sand. Its tiny leaves keep it from losing too much moisture, and it stores water in its bark. If you press a few pieces together, water comes out!



# Australasia

Australia, New Zealand, Papua New Guinea, and thousands of small islands make up the Australasia region. From deserts, mountains, and rain forests to beaches and coral reefs, the habitats here are home to many animals only found in this part of the world.



## Australian coast

The western Australian coast is home to hundreds of fish, mammals, and bird species. Australian pelicans often land here to enjoy the sand and sun after staying in the air for 24 hours!

Christmas Island  
(AUSTRALIA)

Ashmore and  
Cartier Islands  
(AUSTRALIA)

Cocos  
(Keeling) Islands  
(AUSTRALIA)



## Australian outback

The hot, dry center of Australia is known as the outback, or the "bush." Because it is mostly desert, very few people live here, but some amazing animals have found ways to survive the tough desert conditions.



## Snares Islands

This New Zealand island group, north of the Auckland Islands, is protected from humans so native animal species can thrive. One is the Snares penguin, which nests only on these islands—on the ground, under trees and shrubs.

Macquarie Island  
(AUSTRALIA)



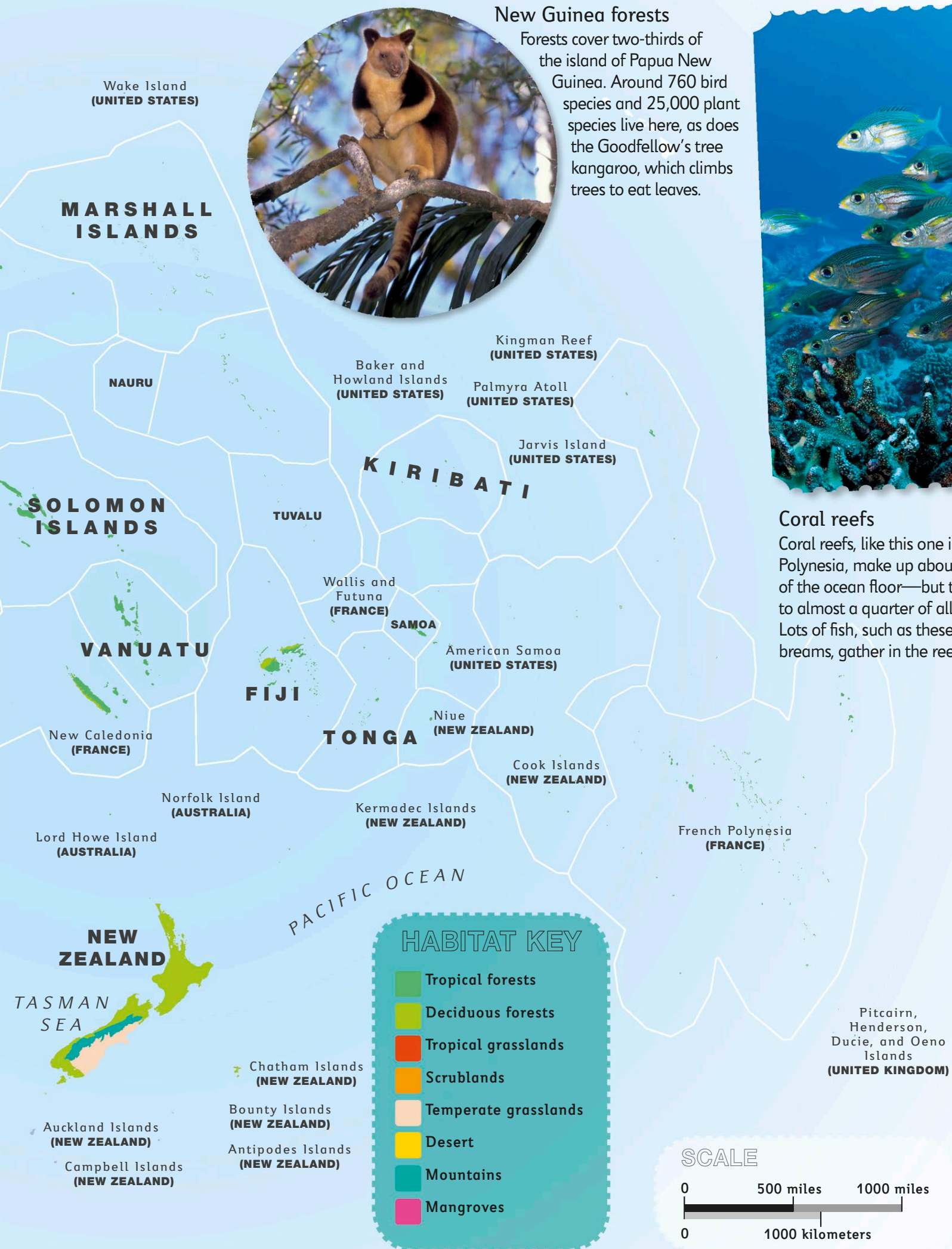
## New Guinea forests

Forests cover two-thirds of the island of Papua New Guinea. Around 760 bird species and 25,000 plant species live here, as does the Goodfellow's tree kangaroo, which climbs trees to eat leaves.



## Coral reefs

Coral reefs, like this one in French Polynesia, make up about one percent of the ocean floor—but they are home to almost a quarter of all ocean species. Lots of fish, such as these gold-lined sea breams, gather in the reefs to eat.



# Australia

Australia is the world's largest island. Most of it is made of hot, dry desert called "the outback." In the hottest months, some of Australia's lakes may dry up completely. However, there are rain forests here, too, and many of the animals that live in Australia are found nowhere else.

## Location

Australia lies south of the equator, between the Pacific and Indian oceans. Summer here is from December to February.



## HABITAT KEY

- Temperate grasslands
- Tropical forests
- Scrublands
- Mountains
- Tropical grasslands
- Hot desert



### Emu

Australia's largest bird is 5–6½ ft (1.5–2 m) tall and can weigh up to 132 lb (60 kg). Its call can be heard up to 1 mile (2 km) away!

*This mouse-sized marsupial doesn't eat honey—just nectar and pollen.*

### Honey possum

### Red kangaroo

Kangaroos are marsupials, which are a type of animal that carry their young in a pouch on their body. Red kangaroos are only found in Australia. They move by hopping around on their powerful back legs.



*A baby kangaroo, called a joey, rides in its mother's pouch.*

## SCALE

0 250 miles  
0 250 kilometers

*The kookaburra is the largest kingfisher. Its call sounds like a laugh.*

### Blue-winged kookaburra

*This lizard defends itself by opening its frill, standing on its hind legs, and hissing.*



### Frilled lizard

*This desert lizard is covered in protective thorny scales.*



### Thorny devil

*These huge caterpillars eat witchetty bush roots—and Australian Aboriginals, the first people to live here, eat them!*

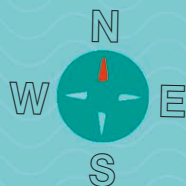


### Witchetty grubs

*Common off the Australian coast, the world's largest predatory fish has 300 teeth.*



### Great white shark



## PAPUA NEW GUINEA

Earth's largest reptile is also found in India and Southeast Asia.



**Saltwater crocodile**



**Redback spider**

Redbacks are one of the most venomous of Australia's 10,000 spider species.

Mitchell

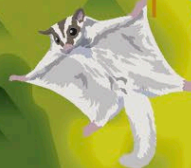
Flinders

GREAT BARRIER REEF



**Eastern brown snake**

This dangerous snake is responsible for the most deaths by snakebite in Australia. Watch out!



**Sugar glider**

A webbed membrane allows this tiny mammal to glide more than 151 ft (46 m) between trees.

This intelligent wild dog rarely barks, but it loves to howl.



**Dingo**

This plant-eating burrower is a marsupial, but its pouch points backward. Also, its poop is cube shaped!



**Common wombat**

Darling



**Platypus**

This egg-laying mammal has webbed feet and a ducklike bill.

Murray

Canberra

BLUE MOUNTAINS

TASMAN SEA

GREAT AUSTRALIAN BIGHT

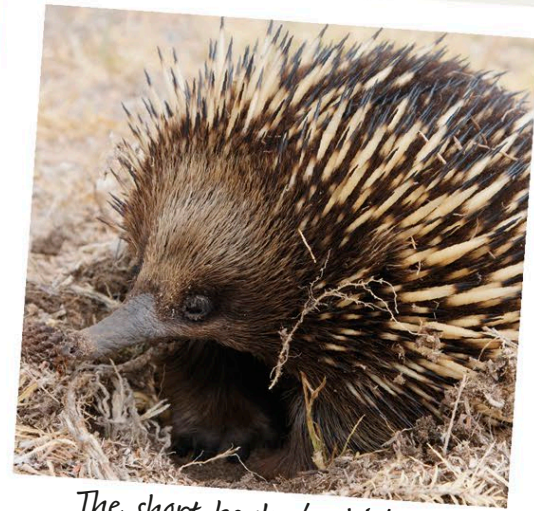
This animal is the size of a small dog. It's called a devil because it is so aggressive.



**Tasmanian devil**

### Koala

Often mistakenly called bears, koalas are marsupials. Once big enough to leave the pouch, baby koalas ride on the parents' backs. Koalas mostly eat eucalyptus (gum tree) leaves, such as those found in southeastern Australia.



The short-beaked echidna's sharp spines repel predators.

### Short-beaked echidna

Also called the spiny anteater, this strange-looking mammal lays eggs. It uses its long, sticky tongue to eat grubs, termites, and ants.



## Auckland tree weta

Wetas are much larger cousins of crickets. A tree weta's body is about 1½ in (4 cm) long, but a giant weta can be 4 in (10 cm)—longer than your hand!



*Auckland tree wetas can raise their spiny back legs for defense.*

# New Zealand

New Zealand is made up of two main islands—North and South Island—and many smaller ones. Lots of birds live here, some of which cannot fly. Unfortunately, many were killed by cats, rats, and other predators brought by European settlers. Now, rare birds such as the kakapo are protected.



## HABITAT KEY

Temperate grasslands



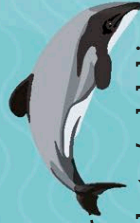
Deciduous forests

Mountains



Found only in New Zealand, this crayfish buries itself in mud to survive droughts.

Northern koura



Hector's dolphin

Highly endangered, this social little dolphin only grows up to 4½ ft (1.4 m) long.

Also called the kereru, this blue-green bird eats mostly fruit. It has a red bill, eyes, and feet.

New Zealand pigeon



The yellow-eyed penguin lays its eggs in forests, and hunts for food up to 15 miles (24 km) away.

Yellow-eyed penguin



This sea lion rests on southern beaches and offshore islands when it isn't hunting squid.

New Zealand sea lion



The blue damselfly can turn itself darker to get more warmth from the sun.

Blue damselfly



So rare they are almost extinct, these large, flightless parrots live only in New Zealand.

Kakapo



*Its large eyes help the nocturnal morepork to see at night.*

### Morepork

This small, dark owl got its name because its call sounds like "more pork"! It sleeps in forests during the day. At night it hunts insects, such as the weta.

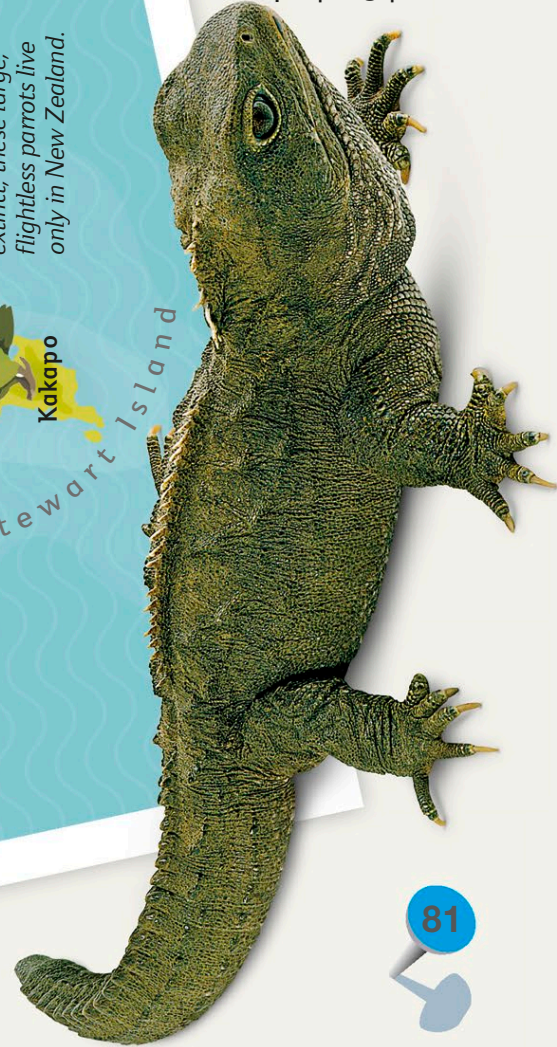
### Kea

Scientists think this cat-sized parrot is as smart as a four-year-old child. It lives on the South Island and makes a laughlike squeal.



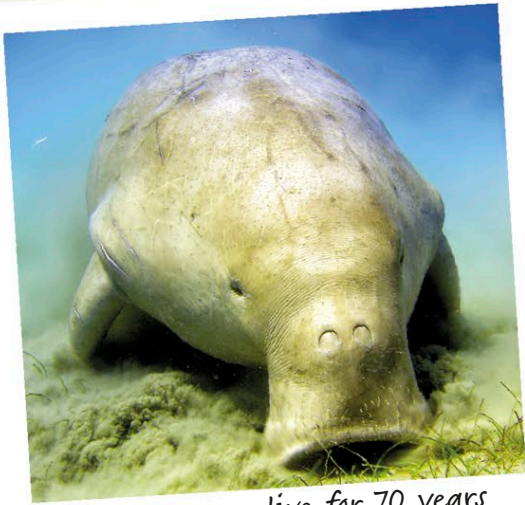
### Tuatara

This reptile's closest relatives were around at the time of the dinosaurs. Tuataras like cool weather and can live for up to 100 years!



# Great Barrier Reef

The world's largest chain of coral reefs, the Great Barrier Reef lies just off Australia's northeastern coast. It's so big that it can be seen from space, and it is home to more than 1,500 types of fish.



*Dugongs can live for 70 years or more in the wild.*

## Dugong

This slow-moving mammal eats nothing but plants. It pulls seagrass out by the roots with its flexible upper lip. Dugongs are also called "sea cows," because they graze like cows.

## Coral

Living corals are made up of tiny animals called coral polyps that catch bits of food with their tentacles. The polyps make hard cases from minerals to protect themselves, and these build up over many years into a reef.



**Giant barrel sponge** The barrel sponge is an animal that grows up to 6 ft (1.8 m) across—and it has no brain!

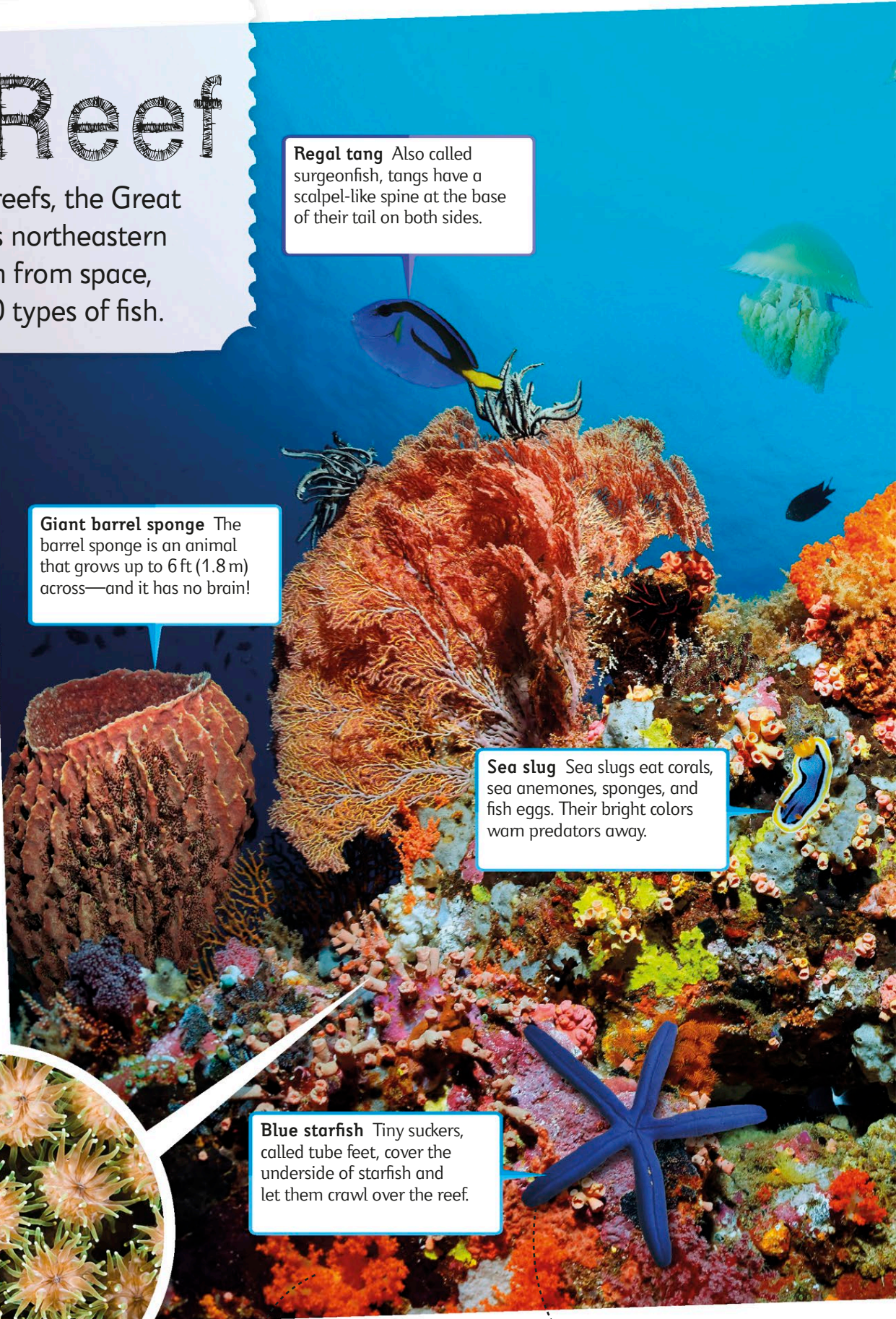
**Regal tang** Also called surgeonfish, tangs have a scalpel-like spine at the base of their tail on both sides.

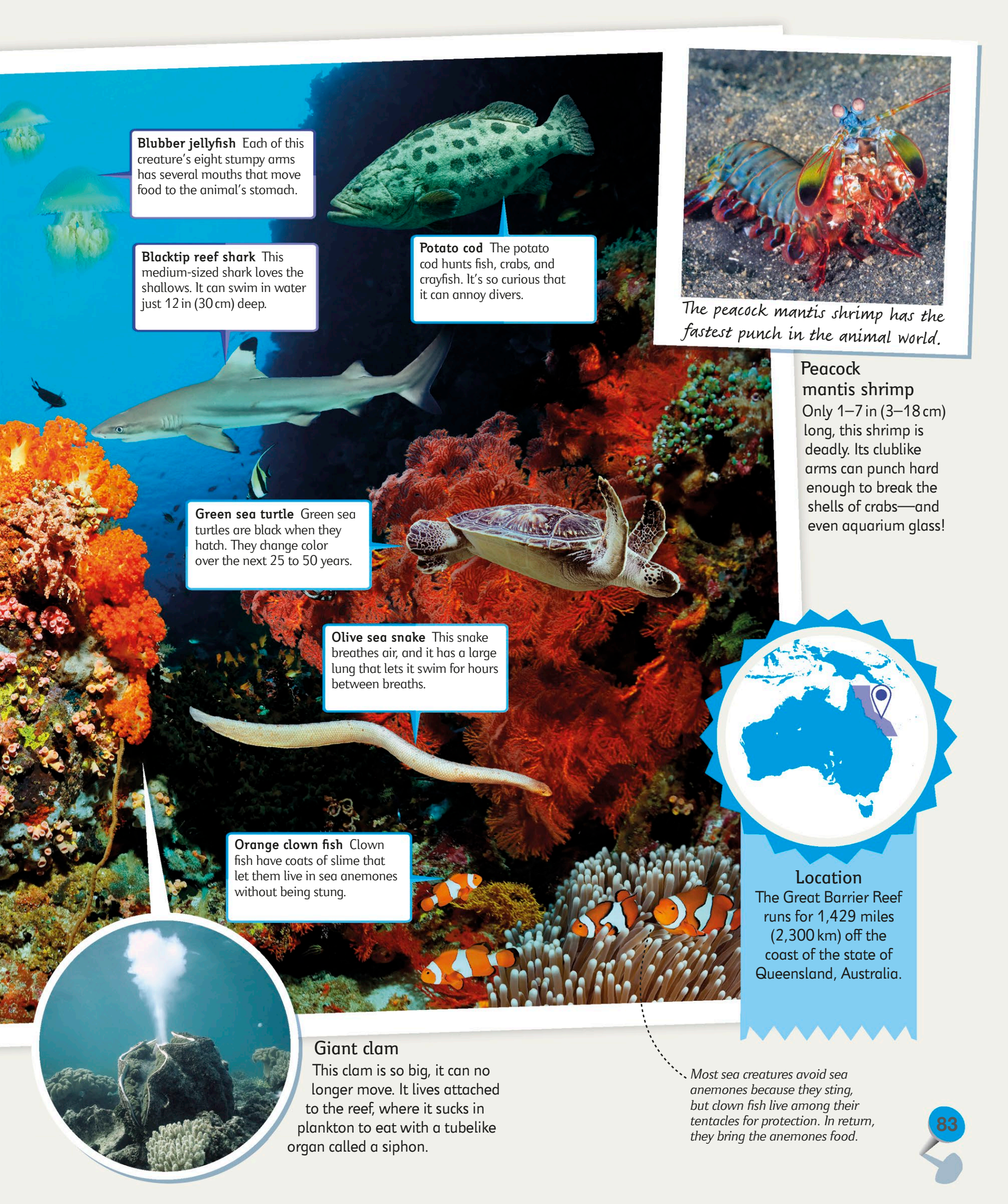
**Sea slug** Sea slugs eat corals, sea anemones, sponges, and fish eggs. Their bright colors warn predators away.

**Blue starfish** Tiny suckers, called tube feet, cover the underside of starfish and let them crawl over the reef.

*The reef has many different types of coral. In addition to hard corals, which build the reef, there are also soft corals.*

*Starfish can regrow a damaged or lost arm. Some can even grow a whole new starfish from just part of an arm.*





**Blubber jellyfish** Each of this creature's eight stumpy arms has several mouths that move food to the animal's stomach.

**Blacktip reef shark** This medium-sized shark loves the shallows. It can swim in water just 12 in (30 cm) deep.

**Potato cod** The potato cod hunts fish, crabs, and crayfish. It's so curious that it can annoy divers.

**Green sea turtle** Green sea turtles are black when they hatch. They change color over the next 25 to 50 years.

**Olive sea snake** This snake breathes air, and it has a large lung that lets it swim for hours between breaths.

**Orange clown fish** Clown fish have coats of slime that let them live in sea anemones without being stung.

**Giant clam**  
This clam is so big, it can no longer move. It lives attached to the reef, where it sucks in plankton to eat with a tubelike organ called a siphon.



*The peacock mantis shrimp has the fastest punch in the animal world.*

**Peacock mantis shrimp**  
Only 1–7 in (3–18 cm) long, this shrimp is deadly. Its clublike arms can punch hard enough to break the shells of crabs—and even aquarium glass!



**Location**  
The Great Barrier Reef runs for 1,429 miles (2,300 km) off the coast of the state of Queensland, Australia.

*Most sea creatures avoid sea anemones because they sting, but clown fish live among their tentacles for protection. In return, they bring the anemones food.*

# Antarctica

The world's coldest continent, Antarctica is also its most remote, meaning it is far from any other land mass. Ice more than 1 mile (1.6 km) thick covers most of it, and temperatures go down to  $-129^{\circ}\text{F}$  ( $-89.2^{\circ}\text{C}$ ), too extreme for many animals. Since it doesn't rain here, Antarctica is considered a desert.

## Location

Antarctica is found at the bottom of the Earth. It is home to the Earth's most southerly point, the South Pole.



## HABITAT KEY



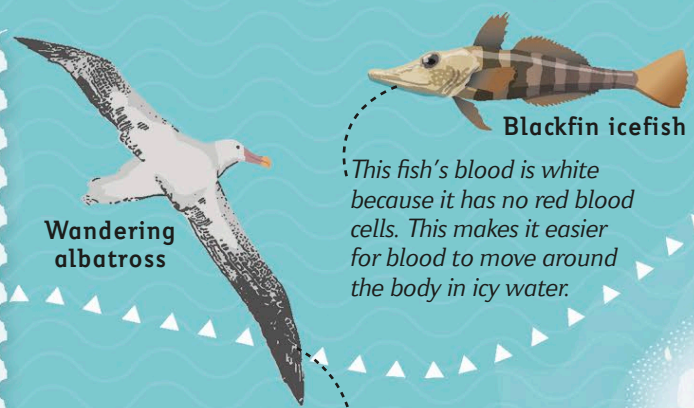
Snow and ice



Mountains

## Southern elephant seal

The southern elephant seal is Earth's largest seal. Males can grow up to 20 ft (6 m) long and weigh 8,501 lb (3,856 kg), but females are much smaller. An inflatable, trunklike nose allows males to make loud roaring calls.



**Blackfin icefish**

This fish's blood is white because it has no red blood cells. This makes it easier for blood to move around the body in icy water.

**Wandering albatross**

With the longest wingspan of any bird— $11\frac{1}{2}$  ft (3.5 m)—the wandering albatross can glide for hours at a time.



**Weddell seal**

Weddell seals can stay underwater for up to 82 minutes while they hunt for icefish.



**Chinstrap penguin**

These penguins look as if they have a strap around their chin. They are often found on icebergs in the sea around Antarctica.



**Patagonian toothfish**

Unlike most Antarctic fish, the toothfish has chemicals in its blood that prevent it from freezing.

TO  
SOUTH  
AMERICA



**Antarctic minke whale**

This small whale eats krill by using comblike structures in its mouth called baleen.

TO  
NEW  
ZEALAND

## SCALE

0 250 miles  
0 250 kilometers

South Pole

Limit of winter pack ice  
Limit of summer pack ice  
SOUTHERN OCEAN

Even though it has enormous jaws and eats other animals, this seal's main food is tiny krill.



**Leopard seal**

Krill are tiny, shrimplike crustaceans that provide food for animals ranging from small fish to the largest whales.

Antarctic krill

TO AFRICA

Antarctic brittle star

This relative of the starfish can lose an arm if attacked—and grow it back!

Pure white except for their black eyes and bills, snow petrels have even been seen at the South Pole.

Snow petrel

The colossal squid is the biggest squid on Earth. It also has the largest eyes of any animal.

Colossal squid

East Antarctica

The size of a large gull, the skua takes penguin eggs and chicks for food.

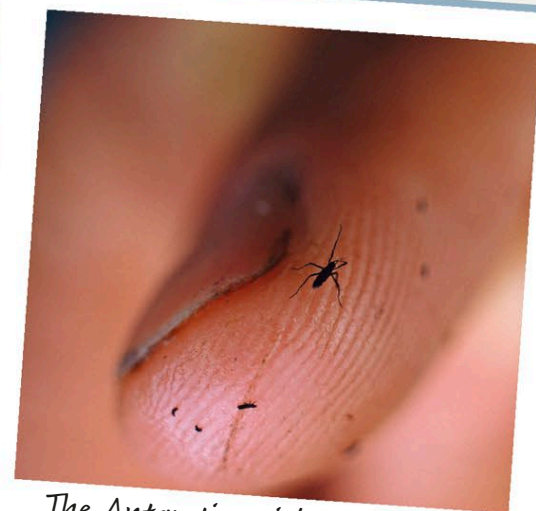
South polar skua

TRANSANTARCTIC MOUNTAINS

This penguin is 28 in (71 cm) high and makes its nest out of stones, sometimes stealing rocks from its neighbors.

Adélie penguin

TO AUSTRALIA



The Antarctic midge looks tiny when shown on a human finger.

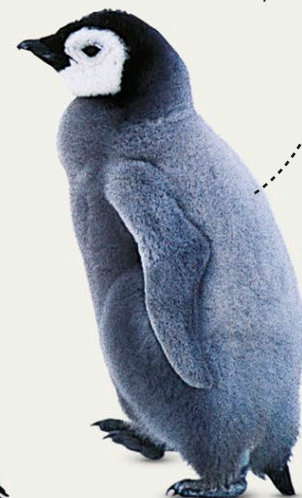
### Antarctic midge

Antarctica's only insect, this midge lives on the rocky Antarctic Peninsula, which juts out into the Southern Ocean. It is wingless and eats algae and bacteria. Adult midges live just seven to ten days, but their young can survive two winters.

### Emperor penguin

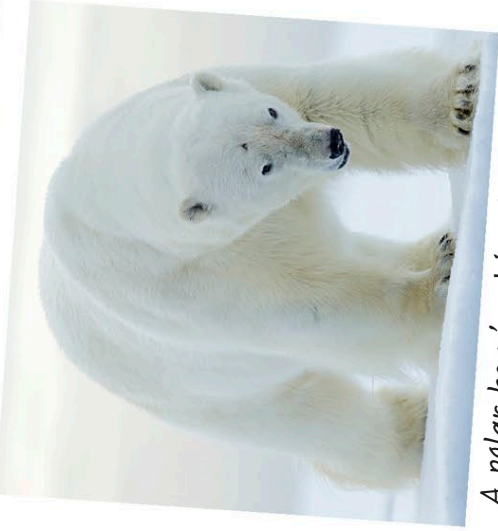
The emperor penguin is the only animal to survive Antarctica's ice in winter. It stays snug with its waterproof coat and four layers of feathers. Males keep the eggs warm by holding them on their feet off of the chilly ice.

Emperor penguin chicks are covered in fluffy gray down, which is not waterproof.



# The Arctic

The Arctic is the Earth's northernmost region. Animals here must survive freezing temperatures. Ice and snow cover the area in winter, and the water of the Arctic Ocean freezes over. In summer, much of the ice melts, revealing a treeless habitat on the surrounding land called tundra.



*A polar bear's white fur helps it blend in with its habitat.*

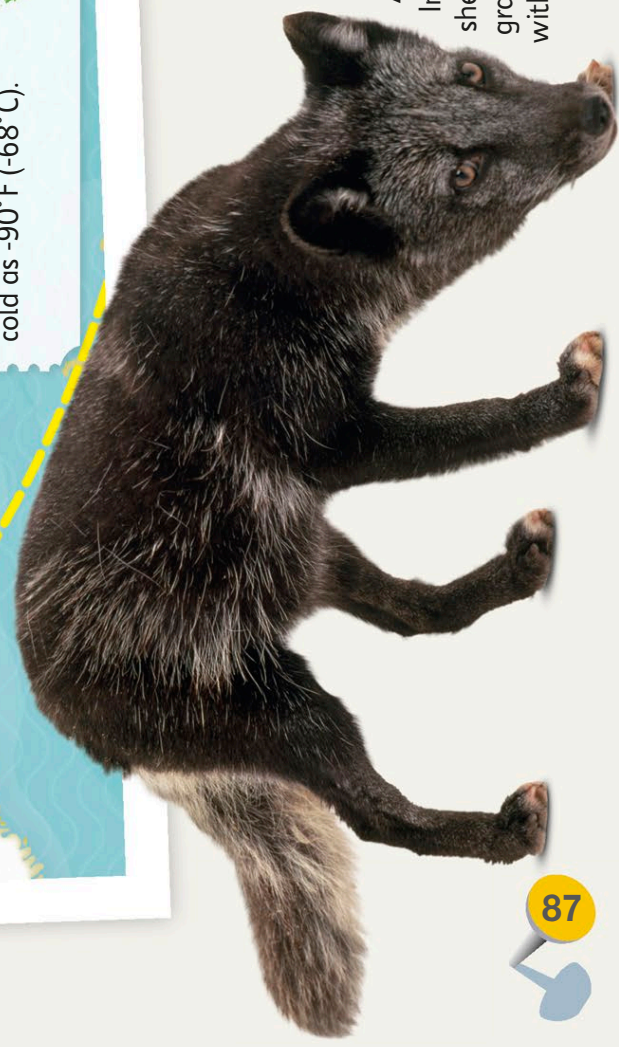
## Polar bear

The polar bear actually has black skin, but it is covered by thick fur to keep the bear warm. A strong swimmer, the polar bear hunts seals, which it can smell from 1 mile (1.6 km) away.





An adult harp seal watches its white-furred cub.



### Arctic fox

In summer, the Arctic fox sheds its white coat, turning gray-brown so it blends in with its surroundings.

### Harp seal

These seals are named for the pattern on their backs, which looks like the musical instrument. Harp seals are born white, but turn dark after three weeks.

## HABITAT KEY

 **Coral reef**

The chinook hatches in freshwater, then swims to the ocean, but each adult fish returns to the place where it hatched to breed.



**Chinook salmon**

The world's largest ray, the giant manta grows up to 23 ft (7m) across and weighs up to 2.2 tons (2 tonnes).



**Giant manta ray**



**Great hammerhead**

The great hammerhead's favorite food is the stingray. It holds rays down using one side of its "hammer" to avoid getting stung while it feeds.

The sea horse can move its eyes individually, so it can watch for predators or prey from many directions at once.



**Spiny sea horse**



The cuttlefish is related to squids and octopuses.

As it grows, the lobster sheds its skin—a process called molting. By the time it becomes an adult, a lobster has increased in size 100,000 times!



**American lobster**

## Common cuttlefish

The cuttlefish changes color to blend in with its surroundings and to communicate with other cuttlefish. It has three hearts, two of which pump blood to its gills. The third pumps blood around its body.



**Sardines**

Sardines grow up to 12 in (30 cm) long and swim in enormous schools with lots of other sardines so they aren't all eaten at once.



**Killer whale**

Also known as an orca, this is the largest dolphin species. It has teeth up to 4 in (10 cm) long.



**Blue mussels**

The blue mussel is one of the toughest shellfish around. It can survive freezing as well as very warm ocean water.



**Yellowfin tuna**

Just one yellowfin tuna can weigh up to 882 lb (400 kg), although 388 lb (176 kg) is more common.



**Deep sea anglerfish**

The anglerfish uses the glowing lure on its head to tempt passing prey close enough to eat.

PACIFIC OCEAN

ATLANTIC OCEAN



**Blue whale**

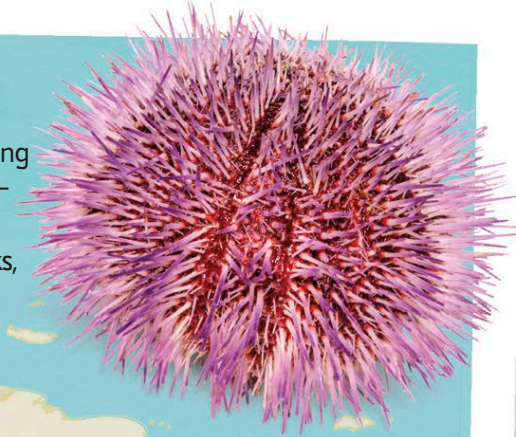
The blue whale is roughly the size of a jumbo jet. It weighs two times more than the biggest known dinosaur.

# Oceans and seas

Water covers a huge 70 percent of the Earth's surface. Thousands of species live in or near oceans and seas, from tiny plankton to the largest creature on our planet—the blue whale.

## Common sea urchin

The common sea urchin moves along the ocean floor using "tube feet"—suckerlike tips that stick out from its spines. It eats seaweed, mollusks, corals, and anemones.



The giant Pacific octopus grows up to 29½ ft (9 m) long. The female lays up to 100,000 eggs at a time.



**Giant Pacific octopus**

This crab's legs never stop growing. They can stretch 13 ft (4 m) from the tip of one claw to the other!



**Japanese spider crab**

With its big forehead and short beak, this dolphin looks more like a small whale. Each baby, or calf, is born about 3 ft (1 m) long.



**Irrawaddy dolphin**

Found in warm ocean waters, green sea turtles have green-colored fat—that's what gives them their name.



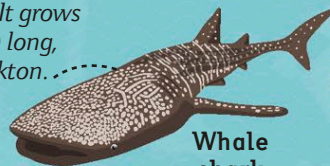
**Green turtle**

Seawater is full of tiny plants and animals that are often too small to see without a microscope. This is plankton. Most food chains in the ocean start with these miniature life forms.



**Plankton**

The whale shark isn't a whale, but a whale-sized fish. It grows to about 39½ ft (12 m) long, and it eats mostly plankton.



**Whale shark**

If threatened by a predator, the porcupine fish "puffs up" by swallowing air or water. This makes it a very uncomfortable mouthful.



**Porcupine fish**

Sperm whales can dive 9,501 ft (2,896 m) deep in search of octopus, fish, and giant squid to eat. They can hold their breath for up to 90 minutes!



**Sperm whale**

This fish grows up to 16½ ft (5 m) long. Sturgeons are endangered, because people kill them for their eggs, which are eaten as caviar.



**Beluga sturgeon**

## Common bottlenose dolphin

The bottlenose is very smart. It loves to play, riding in the wakes of boats and ships. Some have even been known to help fishermen by driving fish into their nets in return for some of the catch!

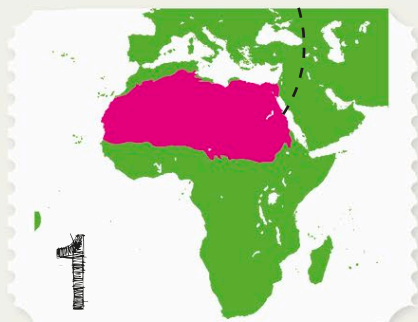


INDIAN OCEAN

PACIFIC OCEAN

# ATLAS PICTURE QUIZ

*This area in northern Africa is the largest hot desert in the world.*



*This high prairie stretches across parts of Canada and the United States.*



*This area of scrubland shares its name with the sea it borders.*



*This famous mountain range in Europe includes lakes, glaciers, meadows, and forests.*



Here are some of the habitats and islands that appear in this atlas. Can you name them? Look at the clues to help you. The answers are on page 91.

NAME THE HABITAT

*This country is made of two main islands and lots of other, smaller ones.*



*This South American rain forest is home to 2.5 million different species of insects.*



*This desert in southern Africa gets enough rain for grass and other plants to grow.*



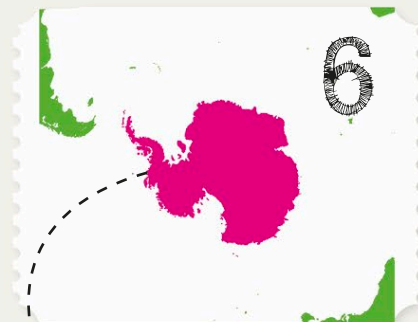
*The rain forests of this area are some of the oldest on Earth.*



*These volcanic islands are home to many unique animals named after the area.*



*This continent, found at the bottom of the Earth, is the world's coldest.*



# FIND THE FACT

All of the answers to these questions appear somewhere in this book. You can check if you are correct at the bottom of this page.

3. How many ants can an armadillo eat a night?



2. What sea creature has the largest eyes of any animal?



1. What is the smallest of the "big cats"?



4. What color, other than blue, can the Mediterranean tree frog be?



5. For how long does a seven-spot ladybug live?



6. In what mountain range would you find the spectacled bear?



7. How long do the Iberian ibex's horns grow?



11. In what area would you find a mandrill?



10. What is the largest tortoise in Africa?



9. Where does the Gila monster live?



8. What animal has cube-shaped poop?



12. What lizard is also called the racerunner?



13. What bird has two tail feathers twice the length of its body?



14. What whale has a tusk that can grow to 10 ft (3 m) long?



15. On what island does the ring-tailed lemur live?



19. What butterfly migrates from northern North America to Mexico?



18. What penguin lays its eggs in forests?



17. What is the heaviest spider in the world?



16. What is the heaviest flying bird on Earth?



20. What bat drinks other animals' blood?



21. How long can the Indian tiger's fangs grow?



22. What frog uses its feet to parachute from tree to tree?



23. What beetle with antlerlike jaws is this?



Answers: Page 90 Name the habitat: 1. Sahara desert (pages 36–37), 2. Kalahari (page 42), 3. Great Plains (page 12), 4. New Zealand (pages 80–81), 5. Amazon rain forest (pages 22–23), 6. Antarctica (pages 84–85), 7. Southeast Asia (pages 72–73), 8. The Galapagos (page 29), 9. Mediterranean scrubland (pages 56–57), 10. The Alps (page 54), 11. Madagascar (page 43), 12. Congo Basin (page 38), 13. Giant armadillo (page 31), 14. Namibia (page 87), 15. Madagascar (page 43), 16. Great bustard (page 55), 17. Goliath birdeater (page 52), 18. Yellow-eyed penguin (page 81), 19. Monarch butterfly (page 11), 20. Vampire bat (page 17), 21. 4 in or 10 cm (page 71), 22. Wallace's Flying Frog (page 72), 23. Stag beetle (page 52).

# Glossary



## **amphibians**

Cold-blooded animals that live both on land and in water, such as frogs and newts

## **birds**

Warm-blooded animals that are covered in feathers and have a bill, many of which can fly, such as eagles

## **climate**

Normal weather pattern during the year in any part of the world

## **coniferous tree**

Type of tree with cones and needlelike leaves that keeps its leaves all year round

## **continents**

Seven large areas of land that the world is divided into: Africa, Antarctica, Asia, Australasia, Europe, North America, and South America

## **coral reefs**

Rocklike structures formed by coral animals in the shallow waters along coasts

## **deciduous tree**

Type of tree that loses its leaves in the fall or the dry season

## **desert**

Dry region that gets very little rainfall in a year. Deserts can be hot or cold

## **endangered**

Word used to describe a species of plant or animal with only a few living members left

## **equator**

Imaginary line around the middle of the Earth

## **extinct**

Word used to describe a plant or animal species that has no living members

## **fish**

Cold-blooded animals that live in water and have gills and fins, such as salmon

## **habitat**

Environment in which an animal or plant lives

## **hibernation**

Sleeplike state some animals enter in winter

## **invertebrates**

Cold-blooded animals without a backbone, such as insects, spiders, or squids

## **island**

Piece of land that has water all around it

## **mammals**

Warm-blooded animals that have hair and feed their young with milk, such as mice

## **mangroves**

Trees that live in salty water and have long, stiltlike roots

## **marsupial**

Type of mammal that keeps its young in a pouch

## **migration**

Movement of a large number of animals from one area to another. Animals migrate to follow warmer weather and to find food

## **mountain**

Area of land that rises up much higher than the land around it to form a peak

## **national park**

Area of countryside that has been preserved in its natural state by the government of a country to protect the wildlife there and for people to enjoy

## **native**

Word used to describe an animal that comes from a particular area or country

## **nocturnal**

Word used to describe animals that are awake during the night

## **ocean**

Very large sea. There are five oceans: the Pacific, Atlantic, Indian, Arctic, and Southern

## **plain**

Area of flat land with few trees, often covered with grass

## **plateau**

Large area of high, flat land

## **polar regions**

Areas within the polar circles. Polar regions are covered in snow and ice for most of the year and are extremely cold

## **predator**

Animal that hunts other living animals for food

## **prey**

Animal that is hunted for food

## **rain forests**

Dense forests with very high rainfall. Most are near the equator and are also very hot

## **reptiles**

Cold-blooded animals covered in dry, scaly skin such as snakes, tortoises, and crocodiles

## **scrubland**

Area of land covered in different types of grass, and small trees and bushes

## **species**

Particular group of animals or plants that share similar features

## **taiga**

Area of cold, coniferous forest found near the Arctic Circle

## **temperate grassland**

Large areas of grass found in regions with hot and cold seasons, such as prairie, steppe, and pampas

## **temperate regions**

Areas with hot and cold seasons found between tropical and polar regions

## **tropical grassland**

Large areas of grass found in areas that are hot all year round, such as savanna and cerrado

## **tropical regions**

Areas that are hot all year round, found near the equator between the Tropic of Cancer and the Tropic of Capricorn

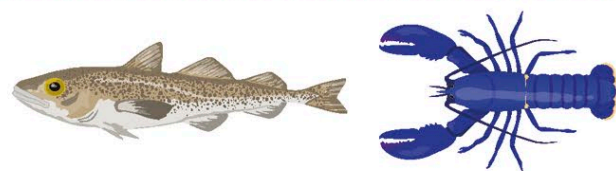
## **tundra**

Cold, treeless plains found near the Arctic Circle

## **wetlands**

Land with wet, spongy soil, such as a marsh or swamp

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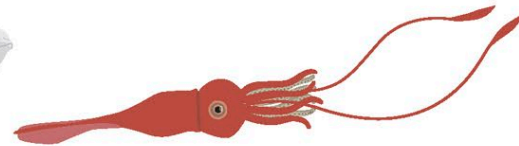
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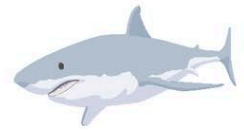
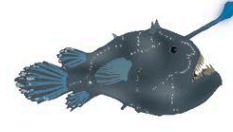
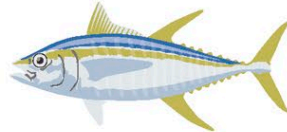
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