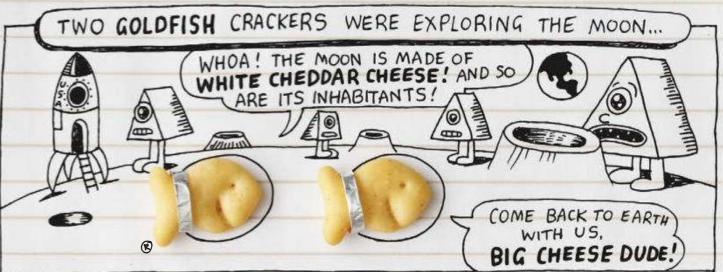
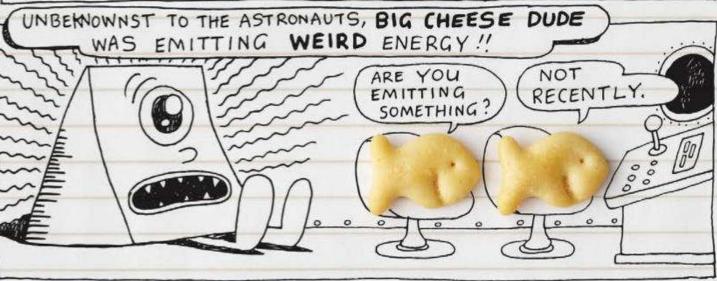
THE ADVENTURE OF COLOR CHANGE CHANGE CHANGE CHANGE CHANGE







SUPER-CHARGED WITH WHITE CHEDDAR CHESSIN





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Confession of the second









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Parents, contact us online: kids@natgeo.com

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SPECIAL ISSUE >>>

16 pages of wacky, wild, crazy-cool facts on pages 10-27

10

Totally Wild Facts About Animals

Pounce on these amazing facts about critters.

12

Weird Weather

These exciting weather conditions will blow you away.



Crazy Laws About Food

Get the scoop on some unbelievable rules.



DEPARTMENTS
4 Weird

But True!
5 Guinness
World Records

6 Bet You Didn't Know!

8 Amazing Animals

28 Fun Stuff

22

Cool Facts About Cash

Discover a wealth of fun facts about money.



28 F

26

Icky Cures

Prepare to be grossed out by some seriously strange medicine.



COVER: WILLEECOLE / SHUTTERSTOCK (DOG); JAMES ELLERKER / GUINNESS WORLD RECORDS (CAT); STRIKA ENTERTAINMENT (COMIC); MILFORD ROAD ALLIANCE (PARROT); PAGE 3: ERIC ISSELEE / SHUTTERSTOCK (ANTEATER); JOHN LINDSAY-SMITH / SHUTTERSTOCK (GIRAFFE); KAREN ANDERSON PHOTOGRAPHY / GETTY IMAGES (WATERSPOUT); AFRICA STUDIO / SHUTTERSTOCK (GUM); ELDAD CARIN / ISTOCK (LOOSE CHANGE); PEPMIBASTOCK / SHUTTERSTOCK (BOTTLES)

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Check out these outrageous facts.

BY MARILYN TERRELL

Grab a parent to watch Weird But True! Weirdest, Bestest, Truest for even more crazy-fun facts. youtube.com/natgeokids



You can buy

chocolate-flavored toothpaste.

Young gorillas play tag

like human kids do.

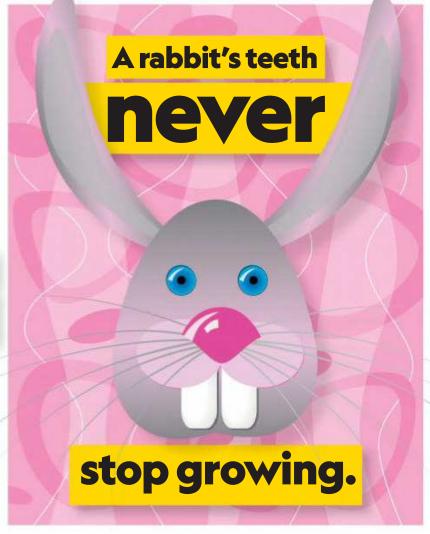
Each of the

2.3 million stones

in **Egypt's Great Pyramid at Giza**

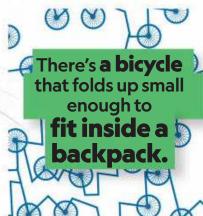
weigh as much as a

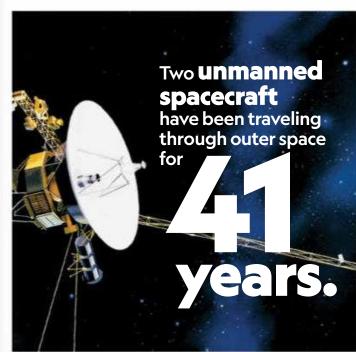
pickup truck.



An elephant once water-skied on the Hudson River in New York City.





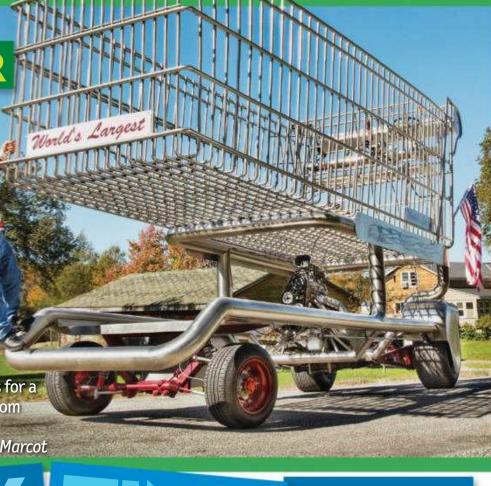






ou'll never run out of room for groceries again. This vehicle holds the record for the world's largest motorized shopping cart. Taller than an African elephant, the cart can carry more than 360 grocery bags. Driver and creator Frederick Reifsteck maneuvers the cart using a car's steering wheel while perched in the "baby" seat. Just don't take this for a joyride down the store aisles—the cart can zoom legally on highways at up to 60 miles an hour.







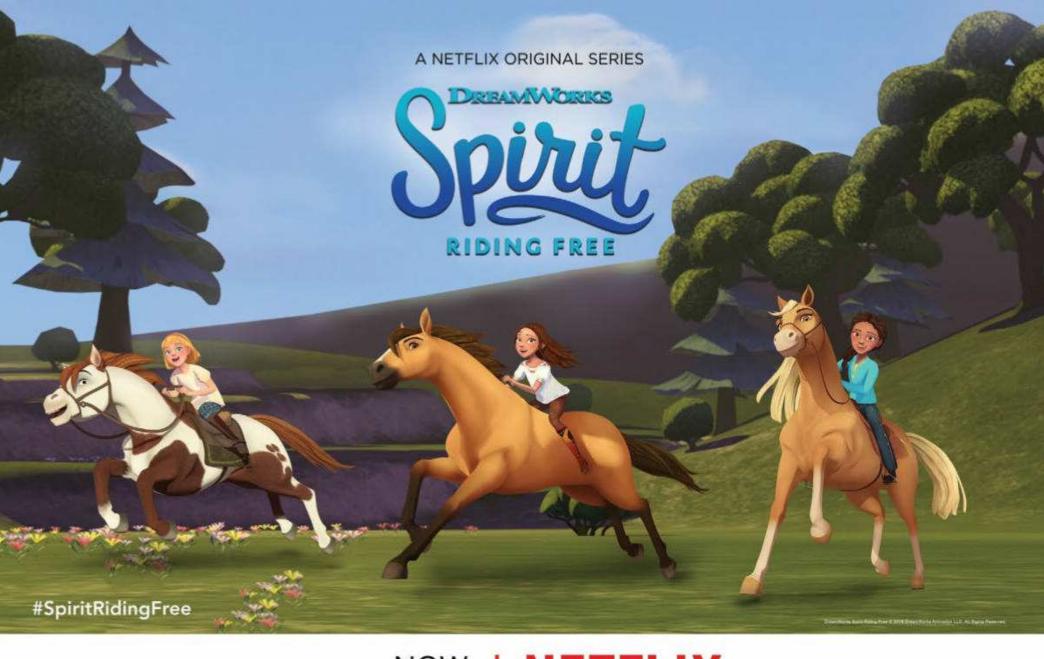
ilieput may be the world's shortest cat, but she doesn't let her other feline friends get in her way she just runs right under them! Lilieput, which is a breed of cat known as a munchkin, is less than six inches tall at her shoulders. That's barely taller than a soda can!

—Angela Modany



ope, these aren't escaped animals from the weirdest zoo ever. They're just contestants in the largest twoperson costumed animal race. Each costume—everything from a camel to a cow to a donkey—was worn by two people, who raced almost 330 feet to the finish line. -B.F. Summers





STREAMING | NETFLIX





Fiordland, New Zealand

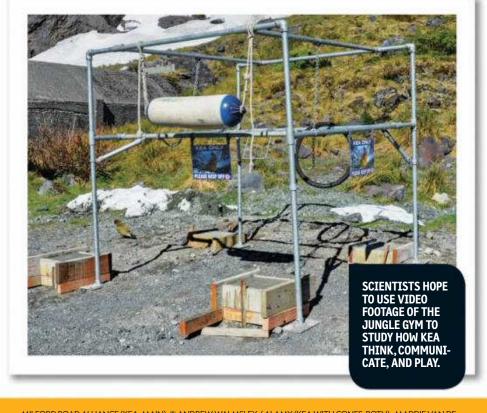
Cruise down this twisty highway, and you'll spot mountains, lakes, and ... parrots playing on a jungle gym?

Bird experts created the playground just for local kea, a type of parrot that lives only in New Zealand. The feathered fliers can swing on an ocean buoy, make noise on metal triangles, and even knock each other off a seesaw. But it's not just for fun—the jungle gym keeps the birds out of trouble.

The mischievous birds had been moving safety cones across the road, forcing cars to make dangerous turns and eventually holding up traffic. "Kea are naughty and really smart," says Sue Streatfield, a ranger with the New Zealand Department of Conservation. "You have to lure them away with something way more fun." Now instead of causing trouble, the kea can play on the structure.

Next, conservationists want to add a slide and toys to the structure, and scientists hope to use the roadside gym to study the birdbrains. So if you happen to be driving by, honk if you love kea!

—Aaron Sidder



Doggy
High Dive

Poppy the English springer spaniel was just doing what she loved when she chased a seagull at a seaside park. But when the gull flapped away,

Poppy kept chasing it—right over a 300-foot cliff!

Her horrified dog walkers rushed to the edge and looked down. Poppy had fallen straight into the English Channel. She was alive but helpless in the chilly waves.

I'M LIKE SUPERDOG!

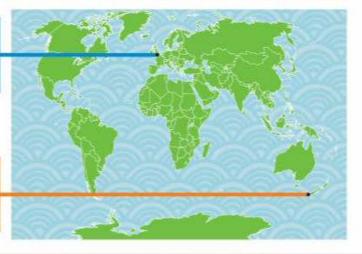
As the humans called for help, the clever canine paddled to a tiny beach about 30 feet away. For 10 minutes she huddled there until a rescue boat from the Royal National Lifeboat Institution reached the soaked-but-safe dog.

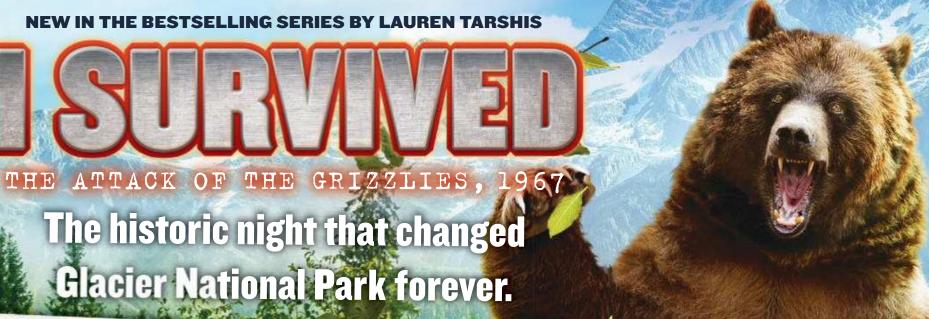
Spaniels are great swimmers, says Ginnie Klein of the Golden Gate English Springer Spaniel Association. But surviving such an ordeal is "pure dumb luck," she says. Poppy might've wished she could fly as well as swim!

—Elisabeth Deffner



PARROTS Fiordland. **New Zealand**





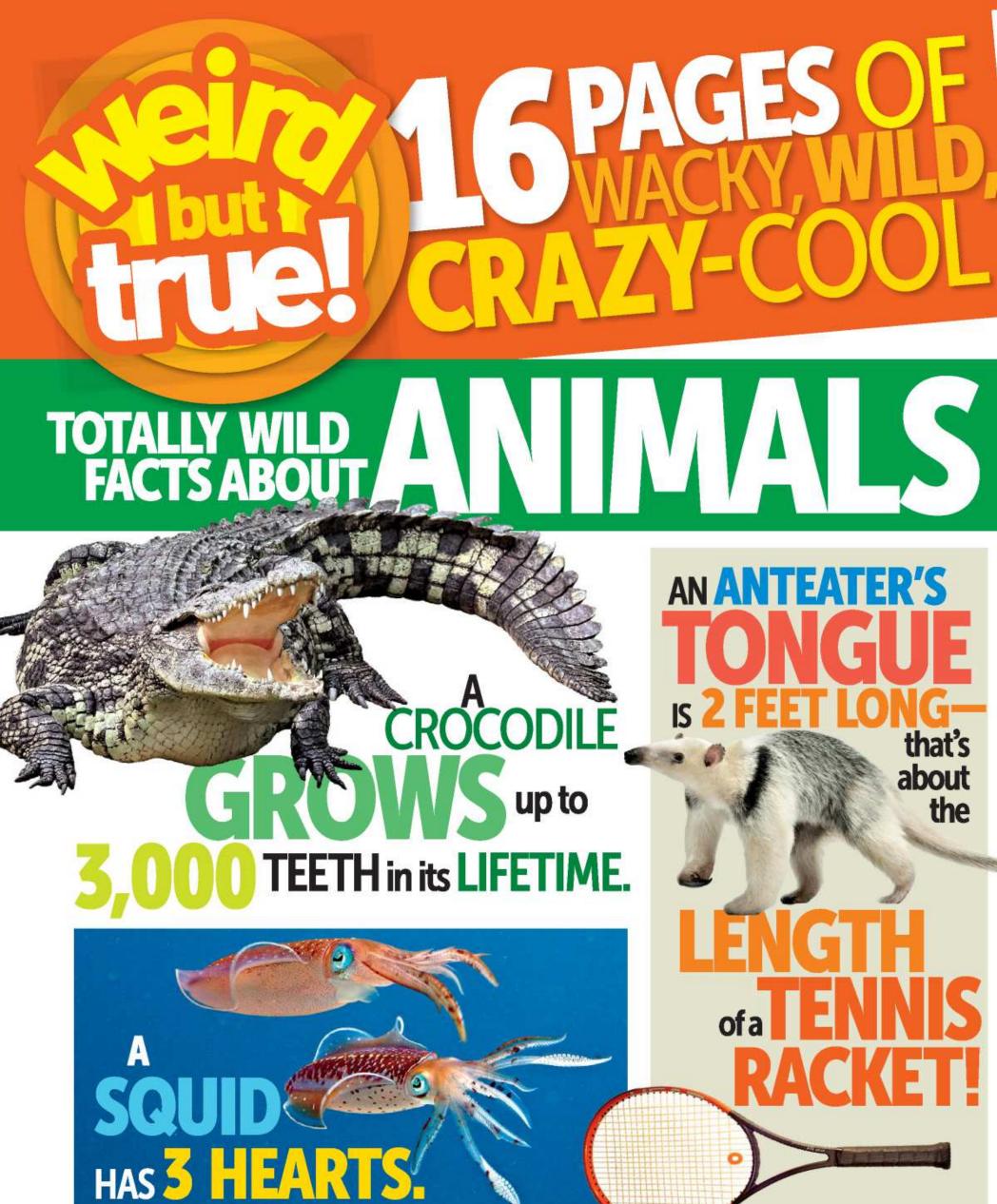


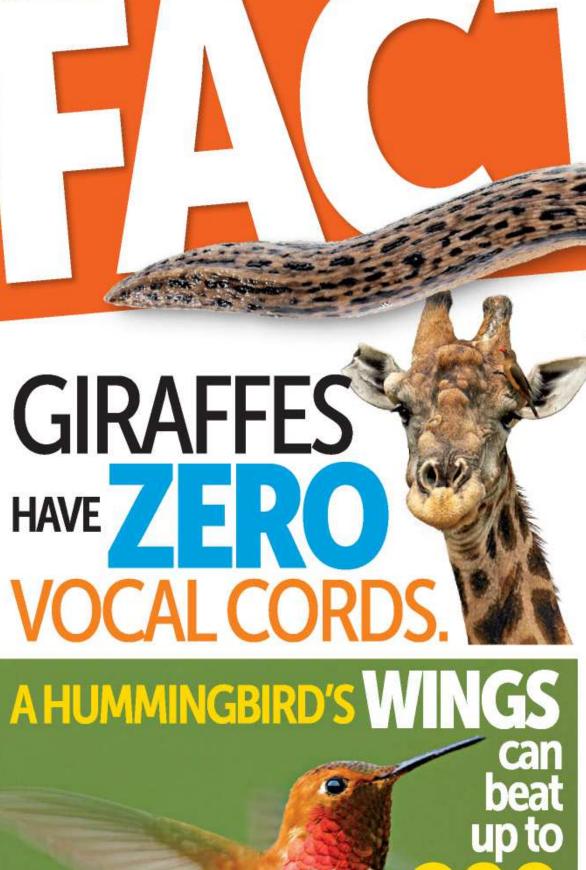
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Explore the Grizzly attacks and learn more with author Lauren Tarshis at

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A POLAR BEAR'S
PAW CAN BE
12 INCHES
ACROSS—
THAT'S AS WIDE AS A
FRISBEE!

THE WORLD'S
LEGGLEST CREATURE—
a TYPE of MILLIPEDE—HAS
750 LEGS!



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WEIRD

Red Sprite

Red sprites are still a bit mysterious to scientists. They happen in the upper atmosphere, miles above thunderstorms that are ending. After much of the electric charge is removed from a storm through lightning strikes, these glowing streamers may appear. Red sprites are rarely seen from Earth.

Haboob

A haboob is a giant desert dust storm. The thick blanket of dust can swallow up a city, knock over power lines, and cause traffic accidents because of reduced visibility. Cover your mouth and nose and run for cover if a haboob comes your way.



Double Rainbow

Light reflecting inside water droplets causes one rainbow, but it's actually possible for light to be reflected more than once inside a raindrop. The rare secondary rainbow is formed above the first and is usually fainter—and the colors are seen in the reverse order. Intense!

AFP / GETTY IMAGES (HABOOB); DANIEL L. OSBORNE / DETLEV VAN RAVENSWAAY /
SCIENCE SOURCE (RED SPRITE); SVEN HAGOLANI / GETTY IMAGES (DOUBLE RAINBOW);
URSULA SANDER / GETTY IMAGES (SKY PUNCH); © HADY KHANDANI / ALAMY (ST.
ELMO'S FIRE); KAREN ANDERSON PHOTOGRAPHY / GETTY IMAGES (WATERSPOUT)

TIRED OF SUN, CLOUDS, AND ALL THE USUAL STUFF WHEN YOU PEEK OUT YOUR WINDOW? CHECK OUT THESE EXCITING WEATHER CONDITIONS THAT WILL BLOW YOU AWAY!



Sometimes you'll see a stretch of clouds across the sky, and then a few minutes later there's a hole punched right through the clouds! This phenomenon is caused when supercooled clouds float in a blanket-like layer across the sky before an airplane flies through them. The broken cloud section then falls as snow.

St. Elmo's Fire

It's not actually fire at all—it's a gas called plasma. Metallic or pointy objects often become supercharged during thunderstorms. When the charges are high enough, the air around the object also becomes charged, or ionized. The nitrogen and oxygen in the air cause the glow to be blue or violet, and the St. Elmo's light can continue for several minutes.

Waterspout

These water funnels form in two ways: when a tornado moves over water, or when wind is light but cumulus clouds have begun to develop. (Cumulus clouds are the white, fluffylooking clouds.) The second kind starts swirling at the surface of the water and moves upward. They'll fall apart quickly if they reach land.



Ancient artists moved more than 1,000

STATUES across Easter Island



The largest statue

weighed 82 tons-

more than a couple of fully loaded cement trucks.

STONE-COLD MYSTERY SOLVED?

These statues, called *moai*, were built at least 800 years ago by the Rapa Nui people on Easter Island, in the South Pacific Ocean. Once carved, the stones had to be moved as far as 11 miles from their quarry into place. The prehistoric people who built them had no metal tools or wheels. Their method was a mystery until 2012, when researchers built a replica of one of the figures to crack the case.

The scientists showed that just 18 people with three strong ropes could've moved the statues. Pulling one statue at a time, they could've "walked" the statues on their large, rounded bases. Since the islanders didn't write down their technique, scientists can't be sure this is the method. But it's the most likely answer. Maybe the old legend—which says the statues walked into place—was the truth all along!

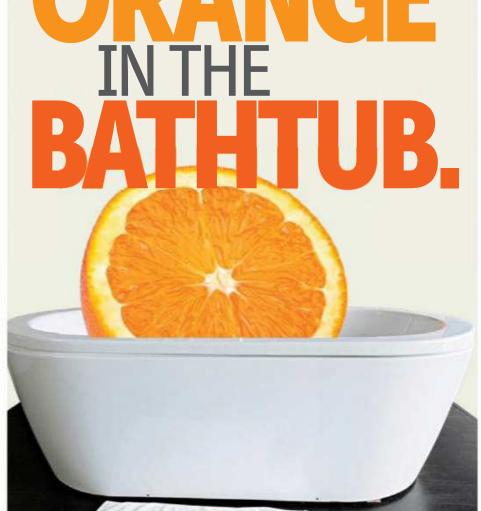
with no machines to help them.



Grab a parent and watch

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A LAW limits at **FUNERALS** in **MASSACHUSETTS** to just





IN MEMPHIS, TENNESSEE, A LAW MAKES IT ILLEGAL TO TAKE HOME



FROM A RESTAURANT.

IT'S AGAINST THE LAW IN **KENTUCKY** TO CARRY AN

IN YOUR POCKET.

In WISCONSIN, it's ILLEGAL to serve

ARGAR

SCHOOLS and HOSPITALS.



FRANCE, KETCHU

ELEMENTARY SCHOOLS.

Got a Weird But True! fact Send it to us by January 15, 2019, for a chance to win a copy of Weird But True! USA, plus Weird But True! 10.

Your fact might even appear on the Nat Geo Kids website. For details on how to enter, go online.

Contest begins at 12:01 a.m. EST on October 15, 2018, and ends at 11:59 p.m. EST on January 15, 2019. Open to legal U.S. residents ho are 6-14 years old at the time of entry. Void where prohibite by law. To enter, visit www.natgeokids.com/wbtusa.





One Grand Prize Winner and family will receive a six-day trip to Yellowstone National Park for a Winter Expedition, plus a LEGO® City Arctic prize pack!

Enter as many times as you'd like between September 17 and December 31, 2018, for your chance to win!





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to pull on a strip of grass before it will SNAD. >> The bird can also jude how tigh

and the female picks her favorite. Male birds often build several nests,

Weavers build their

nests using

dozens of

different Knots

and [00DS-

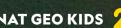
even while

making a **Dette** duick learr nest every time. Weavers are

>> Weavers

mini-nests inside. weigh over 2,000 pounds and house over 100 build nests that





THE DOLLAR SYMBOL APPEARED ON U.S. **CURRENCY FOR THE** TIME IN 2007—ON A

AUSTRALIA

was the first country to use plastic bills.

ONLY

% OF THE **WORLD'S CURRENCY** EXISTS AS CASH. THE REST IS **ELECTRONIC.**

ONE-THIRD OF ALL U.S. CURRENCY WAS

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CUSTOMS POLICE TRAIN

DOGS
to SNIFF OUT
COUNTERFEIT

CA5_{II}

AT BORDER CROSSINGS



A MAN IN

CALIFORNIA

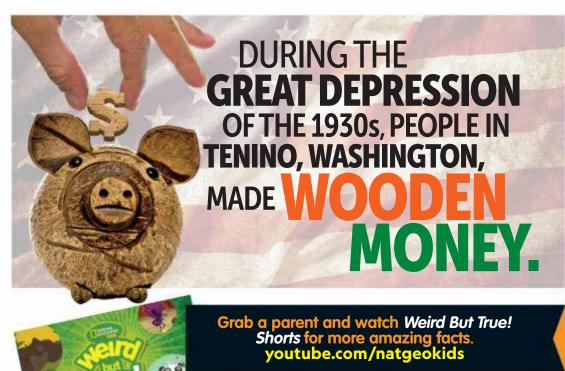
HAS

L49 ACTIVE CREDIT CARDS.

HE'S KNOWN AS

Mr. Plastic Fantastic.











ANCIENT EGYPTIANS GROUND

DEAD MES

INTO A TOOTHACHES, TREATING

SICK PEOPLE IN BATH, ENGLAND, DRANK HEALTH-GIVING WATER THAT SMELLED LIKE ROTTEN EGGS INTHE MIDDLE AGES, PEOPLE PASSED

INTO
INTO
INTO
SAND TOOK
SILLS
TOWARD OFF
PLAGUE.

DOCTORS ADVISED AND TO GROW BEARDS TO PREVENTILLNESS.

HOME REMEDIES FORBURYS
INCLUDED GOOST DUNG
INC

IN THE FUTURE, GROUND-UP COCKROACH BRAINS COULD BE USED TREAT INFECTION.

A TRADITIONAL CHINESE RECIPE FOR SOOTHING

INCLUDES SNAKE OIL.

CANBE USED AS SUNSCREEN.





In the new book *Explorer Academy: The Nebula Secret*, 12-year-old Cruz Coronado breaks secret codes in order to fight dangerous villains and solve mysteries. Test your own skills by cracking the code on this page, then check out more about the book at **Explorer Academy.com**.

TEXT AND PUZZLE BY GARETH MOORE

THE CODE: POLYBIUS SQUARE

This cipher puts the alphabet on a square-shaped grid and turns each letter into a number. Check out the Polybius square on the right. The row number to the left of the letter is the first digit, and the column number above the letter is the second digit.

So you write **D O G**

like this: 14 34 22

This cipher
is named after
the ancient Greek
historian Polybius (puh-LIH-bee-uhs), who is
thought to be the first
person to use
this system.

12

15

The table has only 25 spaces, so the letters *i* and *j* share a square. When you're decoding a message with the number 24, use your judgment to decide if the letter should be an *i* or a *j* based on the rest of the word.

	1	2	3	4	5
1	A	В	С	D	E
2	F	G	Н	1/J	K
3	L	M	N	0	Р
4	Q	R	S	т	U
5	V	w	X	Y	Z

CRACK THIS CODE!

Using the Polybius square, decode the message below.

15

ANSWER ON PAGE 33

45

 52
 23
 34
 54
 34
 45

13

EXPLORER ACADEMY
NEBULA SECRET

CHECK OUT THE BOOK!

44 42 45 43 44

BREAK MORE CODES!

ExplorerAcademy.com

CHECK OUT

SEEING SPOTS

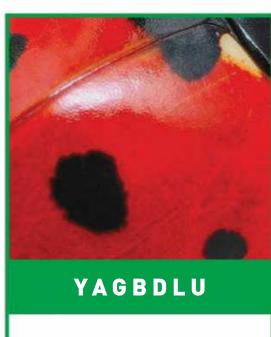
These photographs show close-up views of things with spots or dots. Unscramble the letters to identify each picture. Feel like you're on the spot? ANSWERS ON PAGE 33

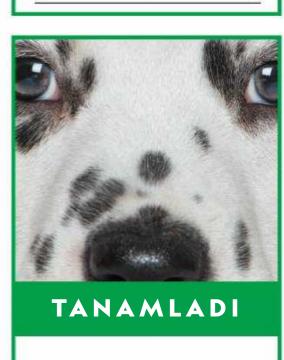




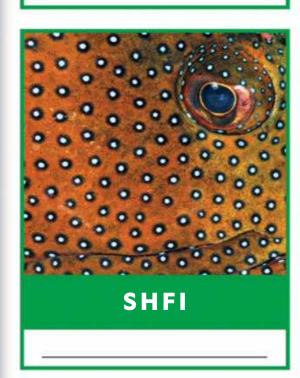


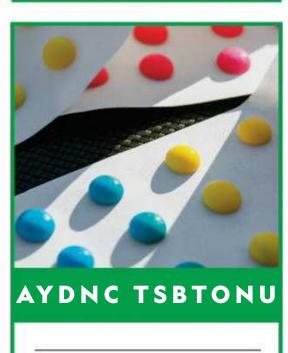


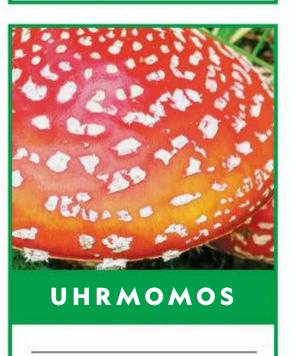












PARADE BRIGADE Ask a friend to give you words to fill in the blanks in this story without showing it to **PLAY MORE FUNNY FILL-IN!** him or her. Then read out loud for a laugh. natgeokids.com/ffi It was the day of the parade. My family and I got up at __ holiday small number o'clock in order to get a good_ before the parade. Huge balloons that looked like things noun such as were each held down by animal, plural cartoon character large number floats covered in and jammed the street. When we saw an open adjective something slimy door in a float shaped like a(n)_ through adverb ending in -ly past-tense verb it. But then the up a(n) began to move. We_ to noun past-tense verb the top of the float. Suddenly we were surrounded by and the type of job, plural pop star and throwing at the crowd. What could we do? We started verb ending in -ing type of food, plural with the band! verb ending in -ing

OCEAN CHAMPIONS

Check out all the ways Nat Geo Kids readers protect the ocean in these drawings.



Recycle!
Max B., 10, Ocala, Florida



▲ Pick Up Cups and Straws Jordan H., 8, Boonton, New Jersey



▲ Picking Up Trash and Taking Photos of the Animals Presley L., 10, Charlotte, North Carolina



Save the Sea From Pollution Bennett S., 7, West Paducah, Kentucky



▲ Pick Up Pet Waste! Evey G., 10, Puyallup, Washington



Send us your original drawings:

Nat Geo Kids-Animal Art Zone P.O. Box 98002 Washington, DC 20090-8002

Include your name, address, phone number, date of birth, a title for your drawing, a statement that it is your own work, and the name of your parent or guardian. Your parent or guardian must sign a release for publication if your illustration is selected. Submissions become the property of National Geographic Partners, and all rights thereto are transferred to National Geographic Partners. Submissions cannot be acknowledged or returned. Selection will be at the discretion of Nat Geo Kids.

See these and 20 other sea-saving pieces of art at National Geographic **Encounter: Ocean Odyssey** in New York City!



OCEAN ODYSSEY

For more information, grab a parent and go online.

natgeoencounter.com



◀ Clean Up Pollution Maryanne G., 11, Olathe, Kansas







Fish Are Friends! Mira U., 10, San Francisco, California





Beach Cleanup
Zinnia M., 9,
Warner, New
Hampshire



Every Bit of Trash **Picked Up** Helps Malia A., 12, Manassas, Virginia

Top row: Twister, feather, gecko. **Middle row:** ladybug, Dalmatian, dominoes. **Bottom row:** fish, candy buttons, mushroom. "What in the World?" (page 30):

"Explorer Academy" (page 29): Be careful who you trust. **Answers**



