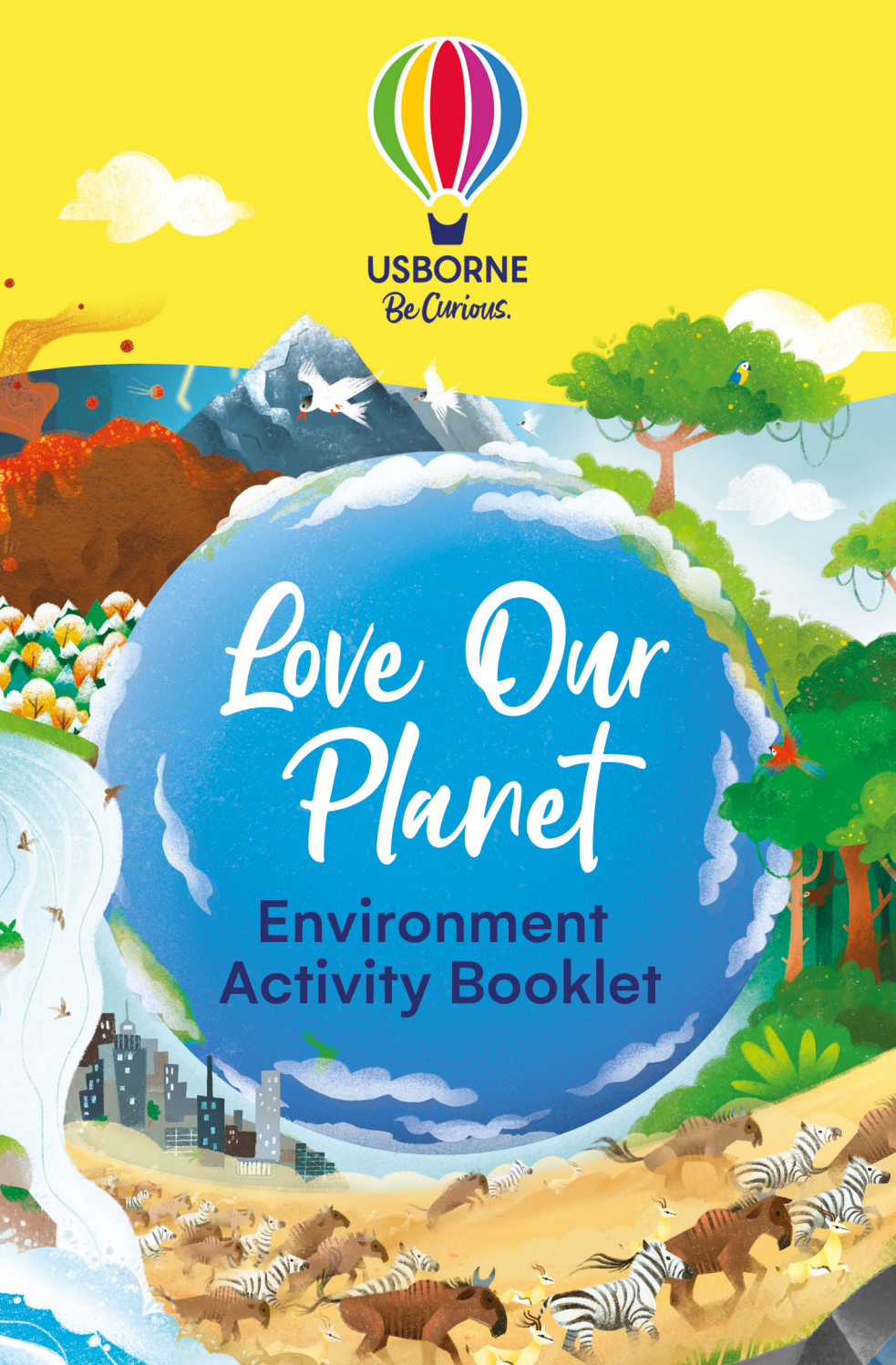




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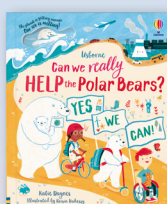
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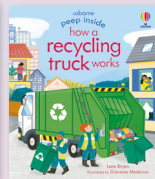
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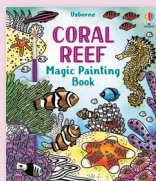
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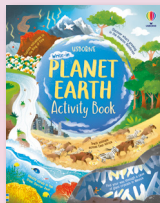
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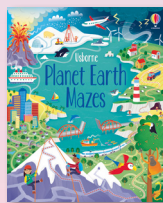
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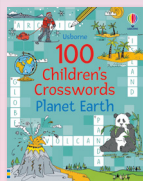
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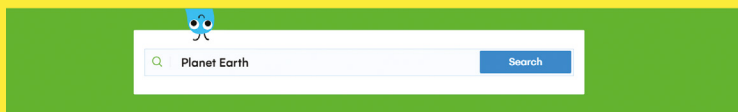
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# WONDERFUL WATERFALLS

This picture shows part of the Iguazú Falls in South America. Its name is hidden in the cascades – along with another nineteen breathtaking waterfalls from around the world.

## Waterfall search

Can you spot the parts of the names, shown in bold in the grids of letters? They might go up, down, across, diagonally, forwards or backwards.

1. **Niagara** Falls (North America)
2. **Gullfoss** Falls (Europe)
3. **Angel** Falls (South America)
4. **Tugela** Falls (Africa)
5. **Sutherland** Falls (Oceania)
6. **Nachi** Falls (Asia)
7. **Havasu** Falls (North America)
8. **Wallaman** Falls (Oceania)
9. **Kaieteur** Falls (South America)
10. **Khone Phapheng** Falls (Asia)
11. **Iguazú** Falls (South America)
12. **Yosemite** Falls (North America)
13. **Reichenbach** Falls (Europe)
14. **Kalambo** Falls (Africa)
15. **Barron** Falls (Oceania)
16. **Victoria** Falls (Africa)
17. **Rhine** Falls (Europe)
18. **Inga** Falls (Africa)
19. **Dip** Falls (Oceania)
20. **Jog** Falls (Asia)

Victoria Falls is also known as Mosi-oa-Tunya, which means "The Smoke That Thunders".

O	V	W	Q	L	O	M			
J	P	L	R	D	G	Y	P	O	
C	O	S	W	A	A	I	S	V	Z
	J	G	E	I	U	M	O	L	A
	S	E	Z	R	O	C	B	L	W
	L	K	P	O	E	G	H	M	Y
	P	L	N	T	P	C	D	A	B
	D	E	R	C	Q	P	S	L	N
	T	F	S	I	F	U	Z	A	U
	U	T	V		H	N	K	U	B
					Q	W	G	A	Z
									L
									E
V	R	O	A	H					
G	T	M	J	E	N				
C	U	S	V	N	I				S
	U	L	D	S					N
	K	B	L	A					T
	L	G	P	F					H
	I	P	D	A	O				J
	O	M	L	I	A	S	H	M	E
	T	S	P	E	L	J	S	O	L
	U	I	W	A	L	L	A	M	A
									N
									D
									B
									I
									G
									F
									6

## Record breakers

Now read these clues to identify which waterfalls in the list above hold each world record. Write numbers in the circles to show your answers.

**Fastest-flowing waterfall**  
It's the only African waterfall in the list that has the letter N in its name.

**Widest waterfall**  
The letter H appears three times in its name.





## Spot the swifts

Birds called great dusky swifts build their nests behind the water.  
How many birds can you spot flying around the falls?

W R  
K U I N V L  
A C V Q C G  
B I A P T E U  
N E M U G E L A  
C R E R F D  
U R B L I  
L X O S T  
U I H

M  
Z X E J  
P O U A W  
L B G C T  
D N F D P  
I A B V I  
T R C G I  
G T H E L  
N I

N V I  
N U K M  
A N G E L  
R J P V G Y I  
K H L D P D C  
E E L T G L O T  
L N I T B M A  
A P I A H W  
L P O J R  
N U A  
I  
H K E  
H T R N  
E K L G  
Y I M O I  
G U H J Q D

V R F J H T  
I T G W E N  
C H U E N I D  
U L S D N A L R E  
K S A M B Y N  
L F A Z U L  
P R C V R F  
O T I L I A K  
T S E N L H  
R E I C H E N B A C H T

P A T I T  
G W N V  
F E U E O I  
V E V P R M  
S B I N R L  
D P Y A A  
I H B

Great dusky  
swift nest

### Tallest waterfall

The letters in its name can be  
rearranged to spell GLEAN.

### Biggest sheet of falling water

Britain's queen between 1837 and 1901  
shares one of its names.

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# Cub competition

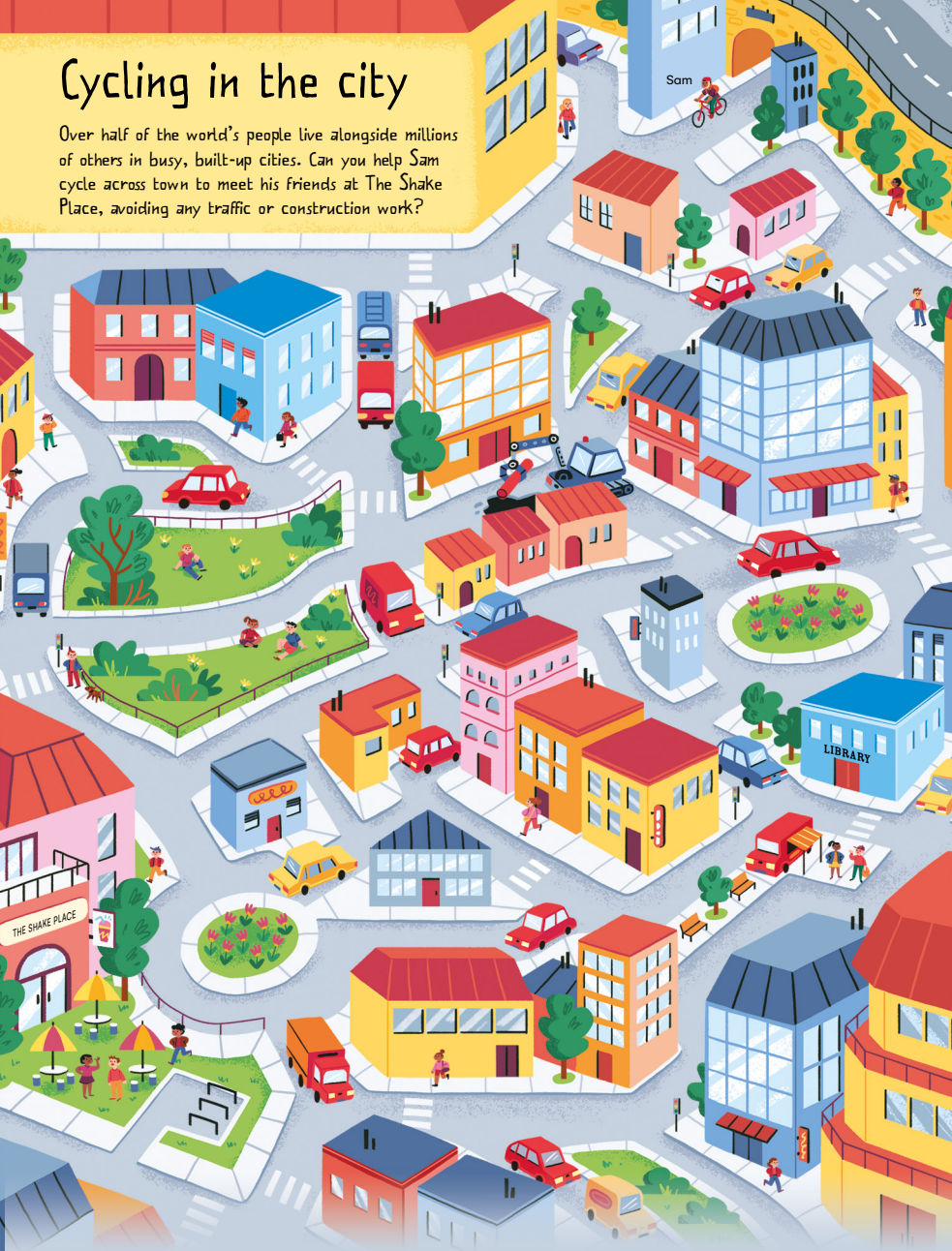
Earth's North Pole is almost constantly covered by shifting sea ice. Which is the shortest way for the baby polar bears to reunite with their mother - walking over the ice, or swimming in the sea?





# Cycling in the city

Over half of the world's people live alongside millions of others in busy, built-up cities. Can you help Sam cycle across town to meet his friends at The Shake Place, avoiding any traffic or construction work?

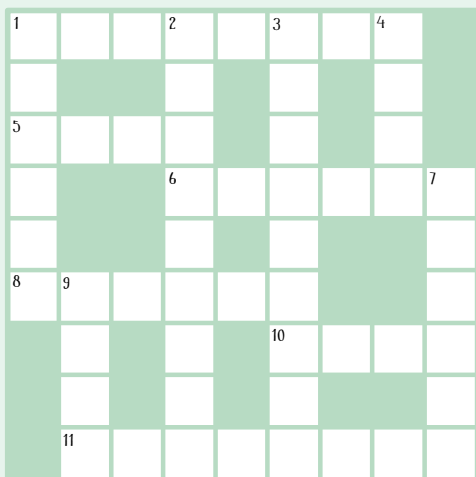


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1



## ACROSS

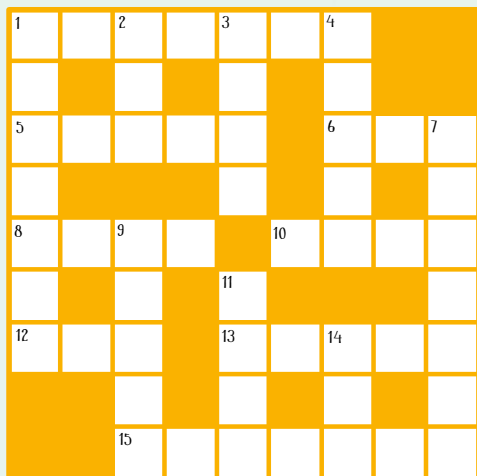
1. Large country north of China, homeland of Genghis Khan (8)
5. Opposite of false (4)
6. Two plus two ----- four (6)
8. Attached with metal spikes (6)
10. Metal (4)
11. In a flash (8)

## DOWN

1. Glove without separate fingers (6)
2. Large Arctic island-nation between Canada and Iceland (9)
3. Mash into a fluid (9)
4. Absent without leave (1.1.1.1.)
7. Thin (6)
9. Upper limbs (4)







## ACROSS

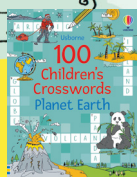
1. Country between Sweden and Russia, capital Helsinki (7)
5. Robes (5)
6. Also known as (1.1.1.1)
8. Lines, ranks (4)
10. You see with them (4)
12. Russia's White \_\_\_\_ is so named because it is frozen over for much of the time (3)
13. Opposite of inner (5)
15. Country south of 1 across, capital Tallinn (7)

## DOWN

1. Numbers (7)
2. Fresh (3)
3. Likewise (4)
4. Journal (5)
7. Central European country, capital Vienna (7)
9. Humpback and blue are types of what? (5)
11. Outdoor garment (4)
14. Large measure of weight (3)



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crosswords from **Planet Earth Crosswords**

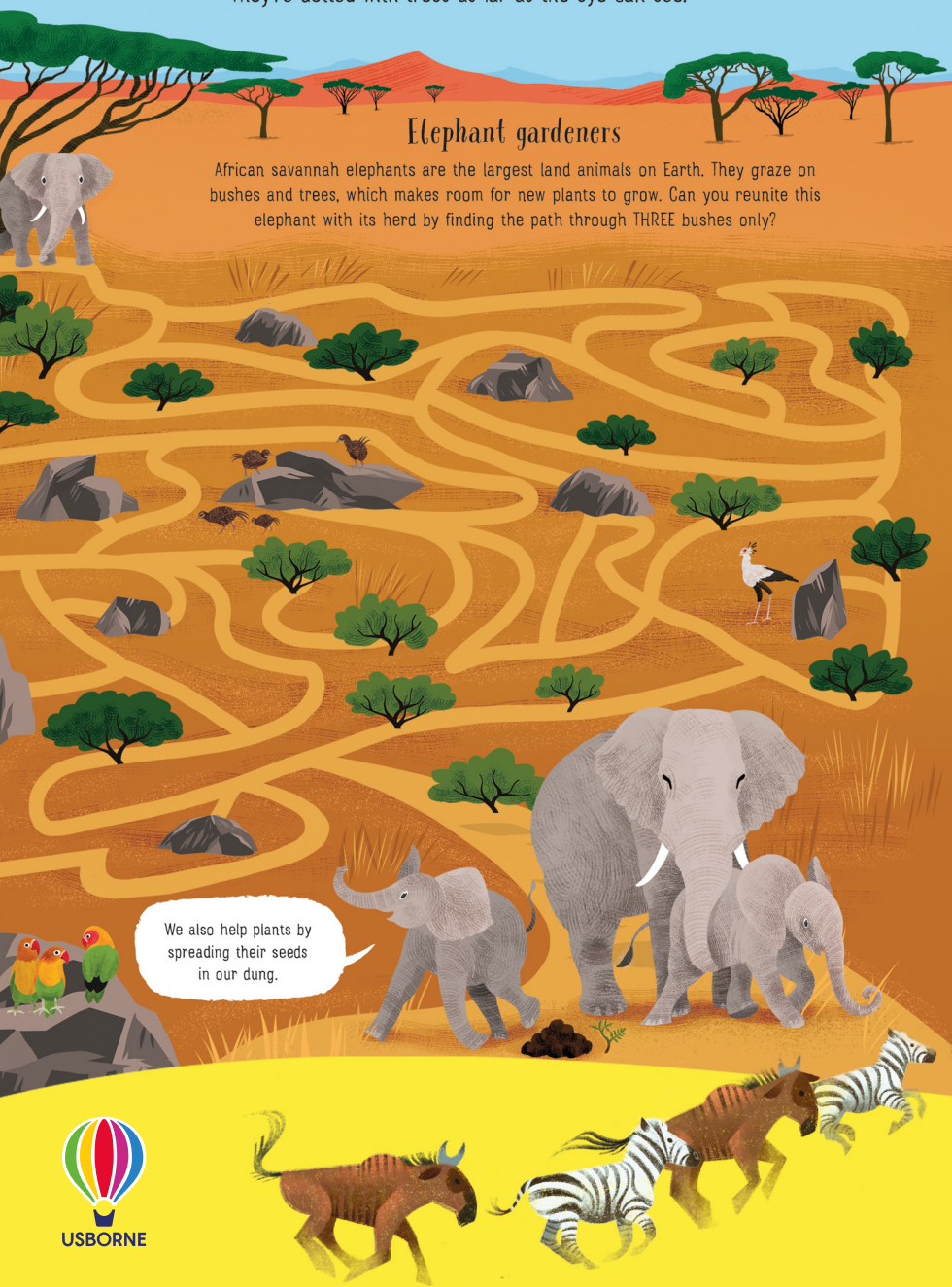


# SPRAWLING SAVANNAHS

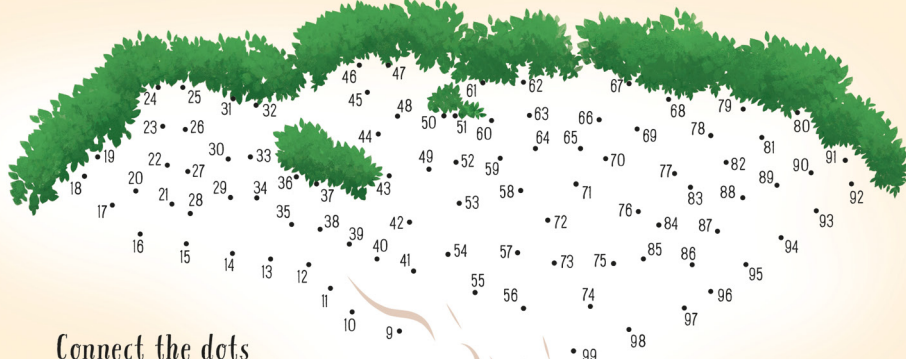
Savannahs are grassy plains in some warm parts of the world.  
They're dotted with trees as far as the eye can see.

## Elephant gardeners

African savannah elephants are the largest land animals on Earth. They graze on bushes and trees, which makes room for new plants to grow. Can you reunite this elephant with its herd by finding the path through THREE bushes only?







## Connect the dots

Join the numbers from 1 to 105 to reveal a baobab – a strange-looking type of tree that grows in savannahs.



A single baobab can hold up to 400,000 cups of water in its trunk.



## Up in flames

Wildfires can happen in savannahs because grass burns easily when it's dry. Only **FOUR** of these facts about wildfires are true. Cross out the two that you think are **FALSE**.



Lightning never causes wildfires.



Some trees grow again after fires.



Ash from wildfires helps new plants to grow.



Some plants only release their seeds during wildfires.



Eagles cook the animals they eat over wildfire flames.



Hawks spread fires so the animals they hunt have nowhere to hide.



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# Thermal throngs

Hot springs are frequently found near volcanoes, and bathers seek them out to wallow in their warm waters. Help Harriet find a path to the empty pool so that she can enjoy a relaxing hot soak by herself.



FINISH

Harriet



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# Kangaroo catch-up

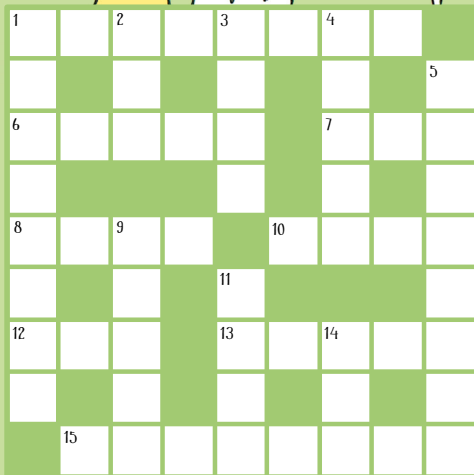
Australia's deserts, grasslands and forests are full of creatures that are unlike those on any of Earth's other continents. Can you guide Cory along a clear route between the rocks and bushes to catch up with his kangaroo friend?



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## ACROSS

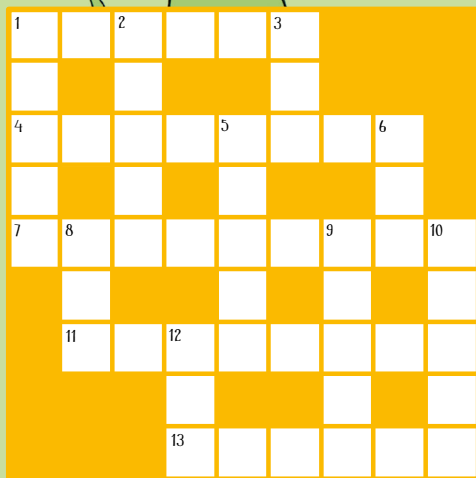
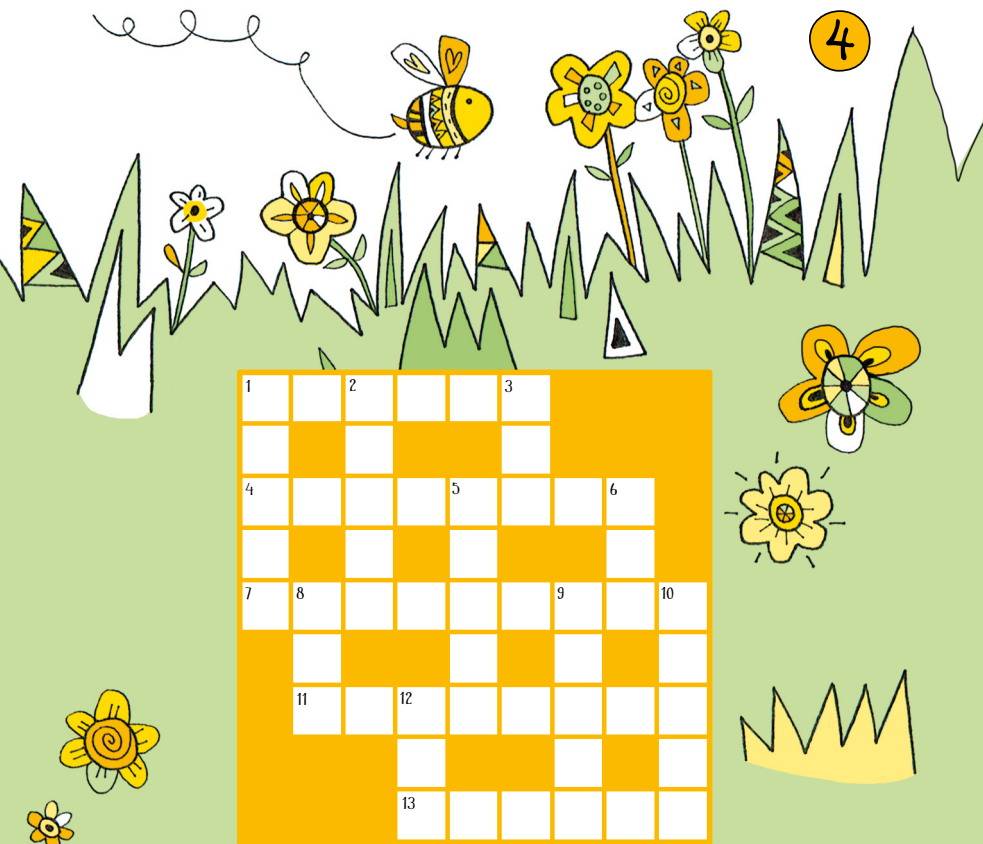
1. Yellow, trumpet-shaped flower (8)
6. A or E, for example (5)
7. Star sign of the Lion (3)
8. Tall, scented flower (4)
10. Great in length (4)
12. Move into place, position (3)
13. Exceed, go one better (5)
15. Put together, construct (8)

## DOWN

1. Grows, matures (8)
2. Not many (3)
3. Night birds (4)
4. Dome built out of snow or ice (5)
5. Tall, showy plant with with drooping, purplish-pink bell-shaped flowers (8)
9. Type of water lily (5)
11. Scented flower with thorns (4)
14. "Rub-a-dub-dub, three men in a \_\_\_" (3)







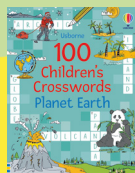
## ACROSS

1. Bluish-purple shade named for a wild pansy (6)
4. Adds sugar (8)
7. Giant plant with a big, round, yellow-petalled head filled with dark seeds (9)
11. Shared feeling, pity (8)
13. Make a small hole in (6)

## DOWN

1. Flower jars (5)
2. The Atlantic, for example (5)
3. Fasten (3)
5. Cup-shaped garden flower (5)
6. To "\_\_\_ red" is to fly into a rage (3)
8. "Life is full of \_\_\_ and downs" (3)
9. You \_\_\_\_\_ plants to keep them alive (5)
10. "Flower" and "power" do this (5)
12. You use it to wash the floor (3)

Test your knowledge on Planet Earth with more  
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# THE GRAND CANYON

This rocky valley in the US state of Arizona has spectacularly steep sides.  
It's so big that it can be seen from space.

## Camera angles

Which of the visitors below took this picture?  
Check the directions that their cameras  
or phones are facing.

Taken by: .....



## Lizard lookout

Can you spot two collared lizards,  
like this one, hiding somewhere  
on these pages?





# Star spotting

There's no light pollution from cities or towns, so visitors to the Grand Canyon can see thousands of stars at night.

Can you circle the stars and planets that the stargazers below are talking about?



See those three stars in a straight, vertical line? That's Orion's Belt!

The blue star to the right of Orion's Belt is Rigel.

Can you find Venus? It's brighter than everything else.

I'm looking for a red supergiant star called Betelgeuse.

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# High-tide hurry

Bill and Toby have been exploring the cave at the end of the beach but now the tide is coming in quickly. Pick out a clear path for them to hurry back across the sand to reach the coastal trail.



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# Deep-sea dive

The darkest depths of Earth's oceans could comfortably contain its highest mountains, and are home to many weird and wonderful creatures. Steer Stan in the submersible down along a course between them to investigate the sunken ship.



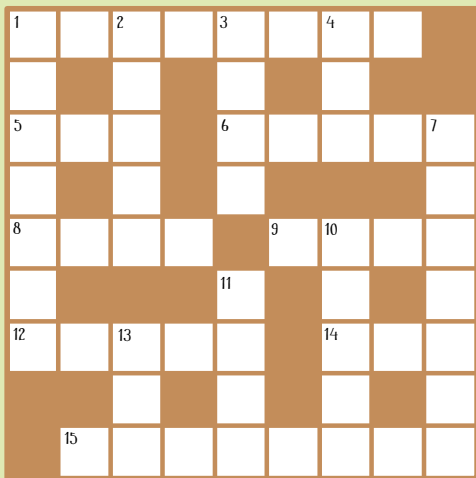
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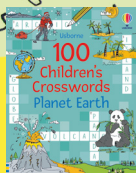
## ACROSS

1. South American nation, capital Bogotá (8)
5. Cry of insight or discovery (3)
6. Belonging to you (5)
8. Frog-like creature (4)
9. Which civilization built Machu Picchu? (4)
12. Long, thin country on South America's west coast (5)
14. \_\_\_\_-Wan Kenobi, Jedi knight (3)
15. Thrive (8)

## DOWN

1. Wild, disorganized (7)
2. Thick-coated pack animal that lives in the Andes Mountains (5)
3. Ancient Central American people (4)
4. Record of a debt (1.1.1.)
7. Most South American countries speak this language (7)
10. \_\_\_\_\_ Campbell, British model (5)
11. South American country, capital Lima (4)
13. Short for "I will" (3)

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# Salty seas

Some seas on Earth contain so much salt that people can sit in them and the water will support their weight. Megan's come to this seaside resort for a natural spa experience – guide her through the shallows, between the rocks and bathers, to join Mary, trying out the mud bath along the way.





# Redwood return

The redwood trees of California can live for thousands of years, and are the tallest trees on the planet. Can you lead Chad the chipmunk back to his burrow at the base of one towering trunk?

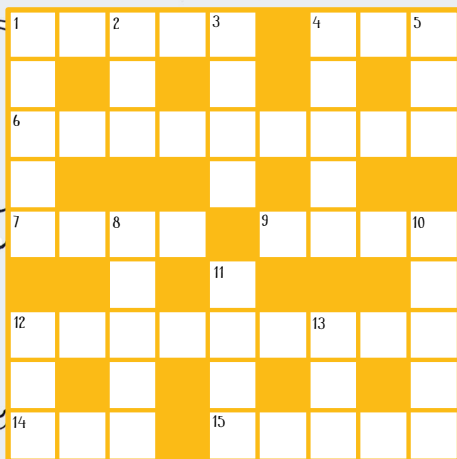


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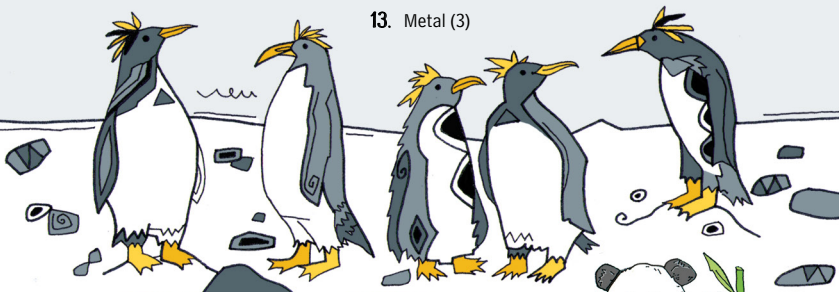


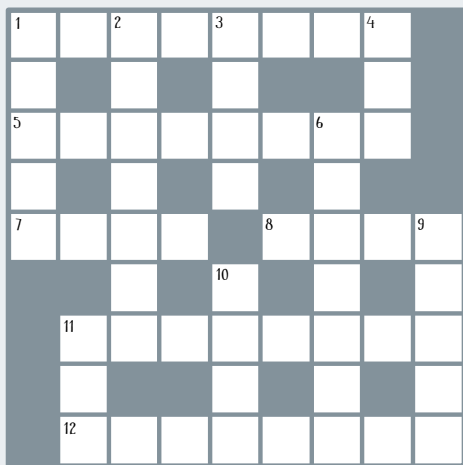
## ACROSS

1. Robert Falcon \_\_\_\_\_ led an expedition to the South Pole in 1910 (5)
4. Young goat (3)
6. "Walking \_\_\_\_\_" means the same as "playing with fire" (2,4,3)
7. Uses a needle and thread (4)
9. "Four \_\_\_\_\_ five equals nine" (4)
12. Region around the South Pole (9)
14. Automobile (3)
15. The 12 across has the fastest \_\_\_\_\_ on Earth (5)

## DOWN

1. Surprisingly, it rarely \_\_\_\_\_ in the 12 across (5)
2. Not at home (3)
3. Journey (4)
4. Swarming shrimp-like creatures (5)
5. Stain, pigment (3)
8. 70% of the world's fresh \_\_\_\_\_ is held in the ice of the 12 across (5)
10. They keep your feet warm (5)
11. Team that runs a ship (4)
12. Alphabet (1.1.1.)
13. Metal (3)



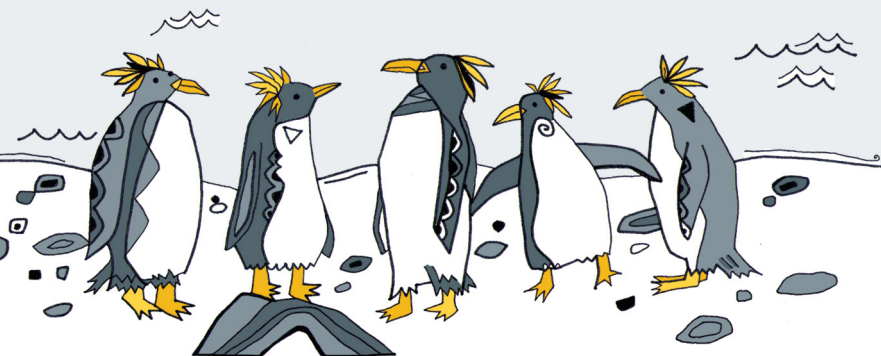


## ACROSS

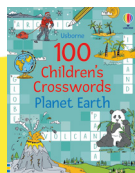
1. In-depth study (8)
5. Trembled with cold or fear (8)
7. Opposite of float (4)
8. Hair-grooming tool (4)
11. Flightless black-and-white birds that live around the South Pole (8)
12. Gifts (8)

## DOWN

1. Dangers (5)
2. Chemistry and physics are both types of this (7)
3. Mountaineers and polar explorers use ice \_\_\_\_\_ to help them climb (4)
4. Did have (3)
6. Feeling (7)
9. Command posts, headquarters (5)
10. Birds lay them (4)
11. Young seal (3)



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# Top Tips to Help Planet Earth

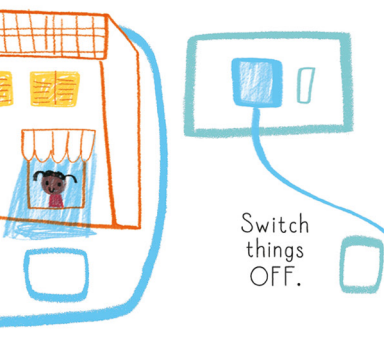
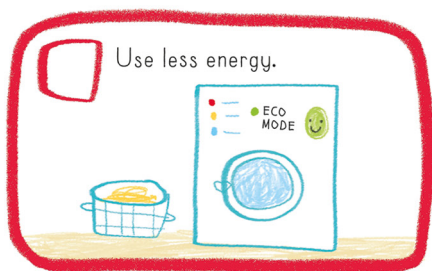
We can check things off as we do them.



Small changes can make a BIG difference

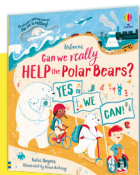






Taken from **Can we really  
help the Polar Bears?**

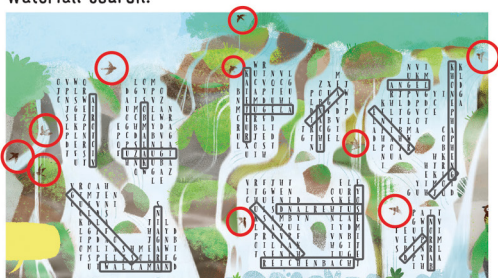
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# Answers

## WONDERFUL WATERFALLS

Waterfall search:



Record breakers:

From left to right, the waterfalls are 18, 10, 3 and 16.

Spot the swifts:

There are ten swifts.

Cub competition



Cycling in the city



1

M	O	N	G	O	L	I	A
I		R		I		W	
T	R	U	E	Q		O	
T			E	Q	U	A	L
E		N		I			K
N	A	I	L	E	D		I
	R	A		I	R	O	N
	M	N	Z				N
	S	U	D	D	E	N	L

2

F	I	N	L	A	N	D
I		E		L		I
G	O	W	N	S		A
U			O		R	E
R	O	W	S		E	Y
E		H			C	O
S	E	A		O	U	T
	L		A		O	I
	E		S	T	O	N

## SPRAWLING SAVANNAHS

Elephant gardeners:



Up in flames:

Cross out these facts:

- ★ Lightning never causes wildfires.
- ★ Wildfires only happen in Australasia.

Thermal throngs



Kangaroo catch-up



3

D	A	F	F	O	D	I	L
E	E	W		G		F	
V	O	W	E	L	L	E	O
E			S		O		X
L	I	L	Y		L	O	N
O		O		R			L
P	U	T		O	U	T	D
S		U		S		U	V
A	S	S	E	M	B	L	E

4

V	I	O	L	E	T		
A		C			I		
S	W	E	E	T	E	N	S
E		A		U			E
S	U	N	F	L	O	W	E
P			I		A		H
	S				P	A	T
					H		
					O		E
					P	I	E
					R	C	E



# Answers

## THE GRAND CANYON

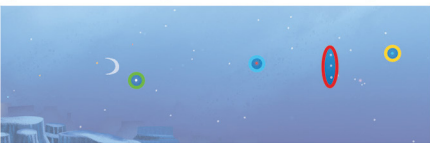
Camera angles: The picture was taken by Rosa.

Lizard lookout:



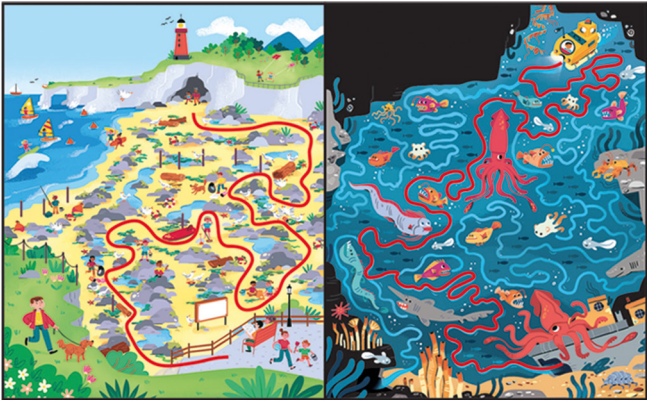
Star spotting:

Orion's Belt Rigel Venus Betelgeuse



High-tide hurry

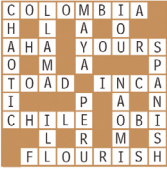
Deep-sea dive



5



6



Salty seas



Redwood return



7

S	C	O	T	T	K	I	D
N	U	R	R	R	Y		
O	N	T	H	I	N	I	C
W			P		L		
S	E	W	S		P	L	U
	A		C				O
A	N	T	A	R	C	T	I
B	E		E		I	K	
C	A	R		W	I	N	D

8

R	E	S	E	A	R	C	H
I		C		X			A
S	H	I	V	E	R	E	D
K		E		S		M	
S	I	N	K		C	O	M
		C		E		T	A
	P	E	N	G	U	I	N
U				G	O		E
P	R	E	S	E	N	T	S



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