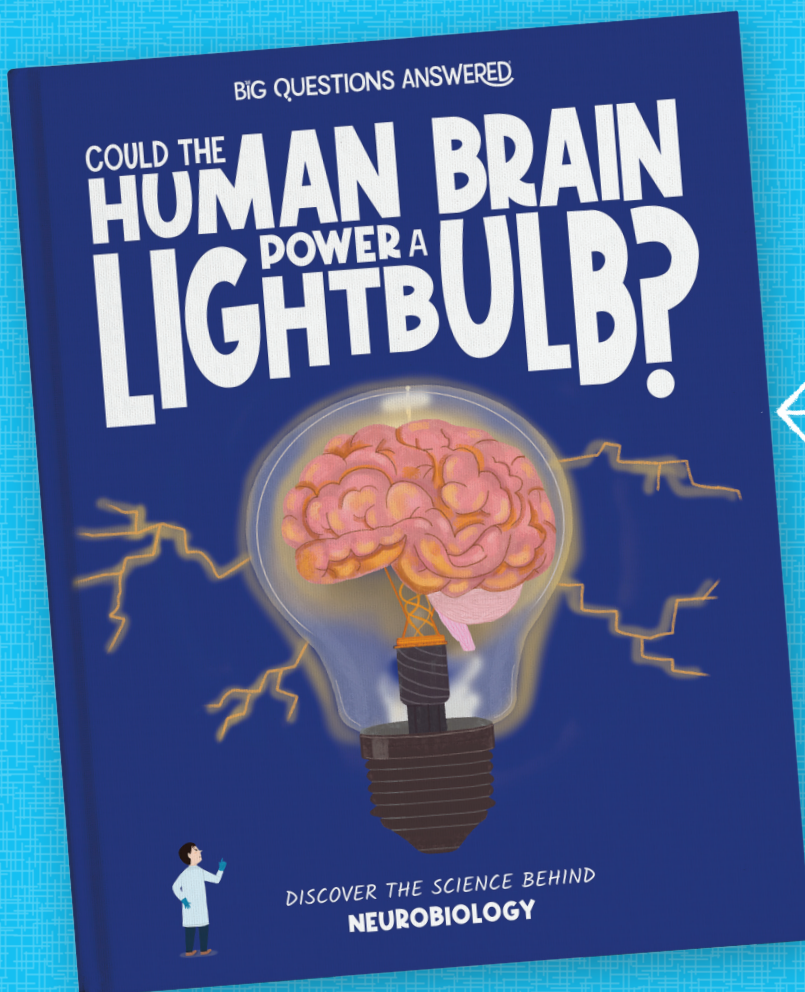


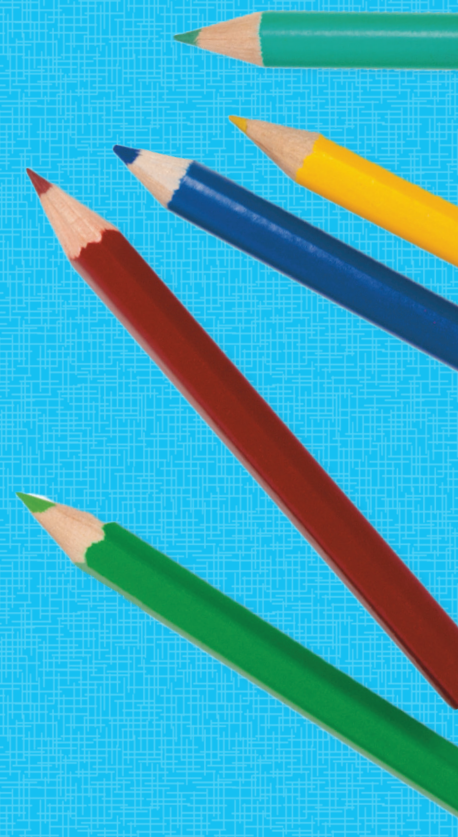
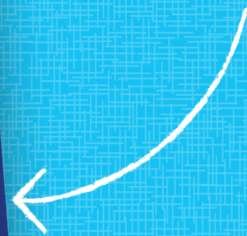
THE BIG QUESTIONS ANSWERED

YOUNG NEUROBIOLOGISTS'

ACTIVITY PACK



Full of fun and exciting activities to accompany this book!



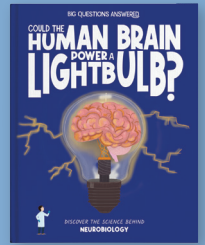
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COULD THE HUMAN BRAIN POWER A LIGHT BULB?

This activity accompanies the book "Could the Human Brain Power a Lightbulb?". Find more booklets connected to this topic, plus other activity packs, on our website: www.thebigquestionsanswered.com



SUPER SMART WORD HUNT

Scientists use all sorts of words when learning about neurobiology! Can you find and circle the words listed below, in the grid. Words can be found in any direction (including diagonals) and can overlap each other.

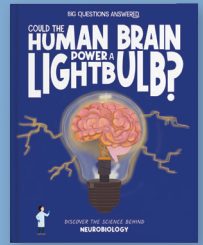
N	N	E	M	R	S	J	O	H	N	I
L	E	Q	T	P	M	Y	U	T	N	M
S	T	R	H	I	A	W	O	T	E	E
P	W	X	V	R	R	R	E	S	U	D
K	O	P	A	E	T	L	S	E	R	I
E	R	T	E	C	L	E	L	L	O	C
S	K	X	S	E	D	P	E	L	N	I
K	O	D	C	E	L	L	Y	O	L	N
Q	W	T	E	R	T	Y	X	D	O	E
A	M	Y	G	D	A	L	A	S	U	T

NERVE
NEURON
NETWORK
CELL

AMYGDALA
INTELLECT
SMART
MEDICINE

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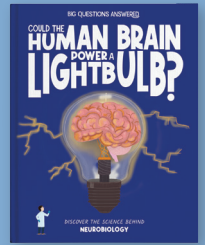
BRAINY TRICKSTER

These EEGs have gotten all mixed up! Can you spot the 9 differences between the two scenes? Circle them when you spot them.



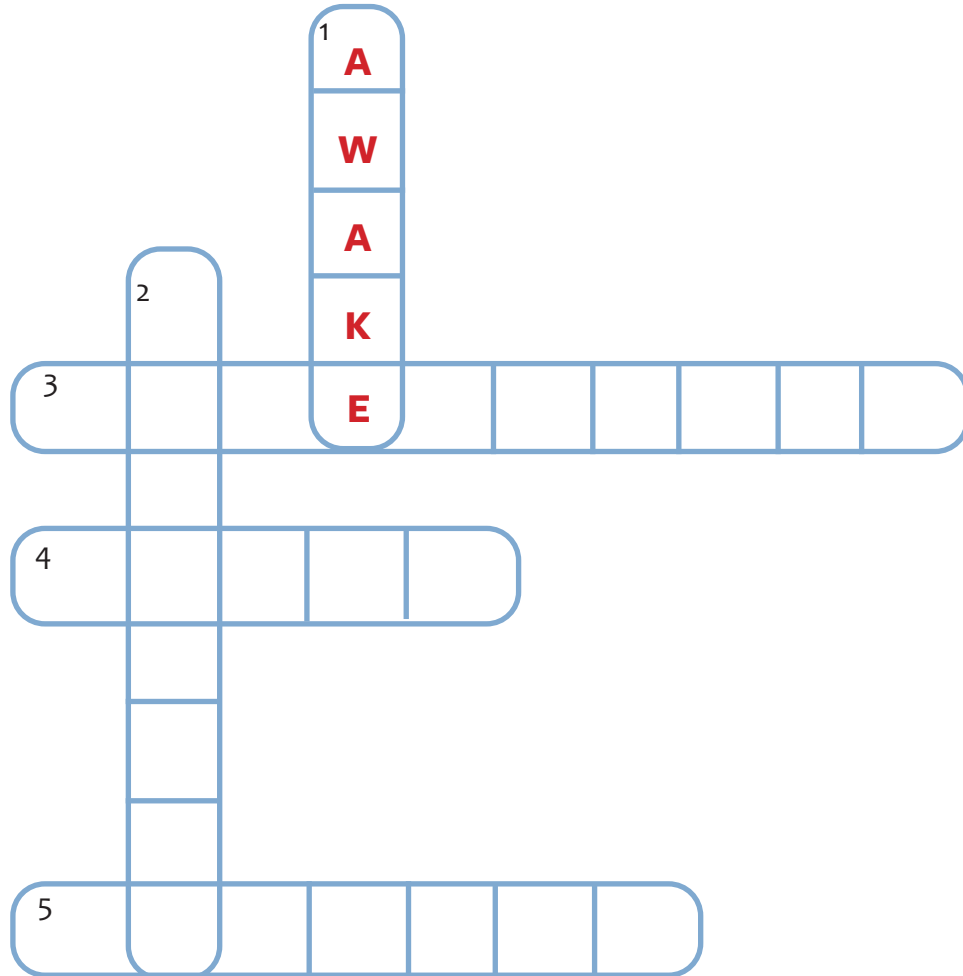
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CONTROL CENTRE CROSSWORD

Scientists use lots of words to describe neurobiology. Use the clues below to work out the different terms they use and then fill in the boxes. The first one has been done for you.



- ~~AWAKE~~
- NEURONS
- WHITE
- SEAHORSE
- CEREBELLUM

ACROSS

3. Helps with balance and coordination.
4. The brain is made of two types of tissue, gray and ____ matter.
5. As children talk, play, and explore, ____ form new connections.

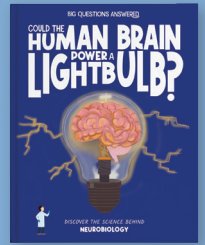
DOWN

- ~~1. Some people have brain surgery whilst they're ____.~~
2. The hippocampus is shaped like this sea creature.



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THINK TANK

Read the questions below and think about your own opinions before filling in your answers.

What do you find most interesting about neurobiology?

.....
.....
.....

Would you like your brain to be able to connect to computers? Why or why not?

.....
.....
.....

If you were a neurobiologist, what would you most enjoy – working with engineers and roboticists to invent new things, or making discoveries about the brain?

.....
.....
.....

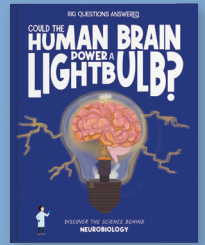
What would be your big question about neurobiology?

.....



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A MESSAGE FROM NERVE CELLS!

You are looking through a microscope when you spot a strange code on the brain tissue. Suddenly, you realize it's a hidden message! Can you use the code below to work out what the message says?

A	B	C	D	E	F	G	H	I	J	K	L	M

N	O	P	Q	R	S	T	U	V	W	X	Y	Z



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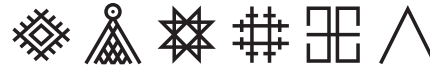


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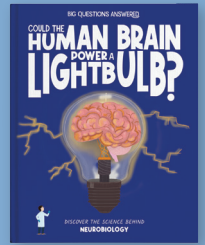
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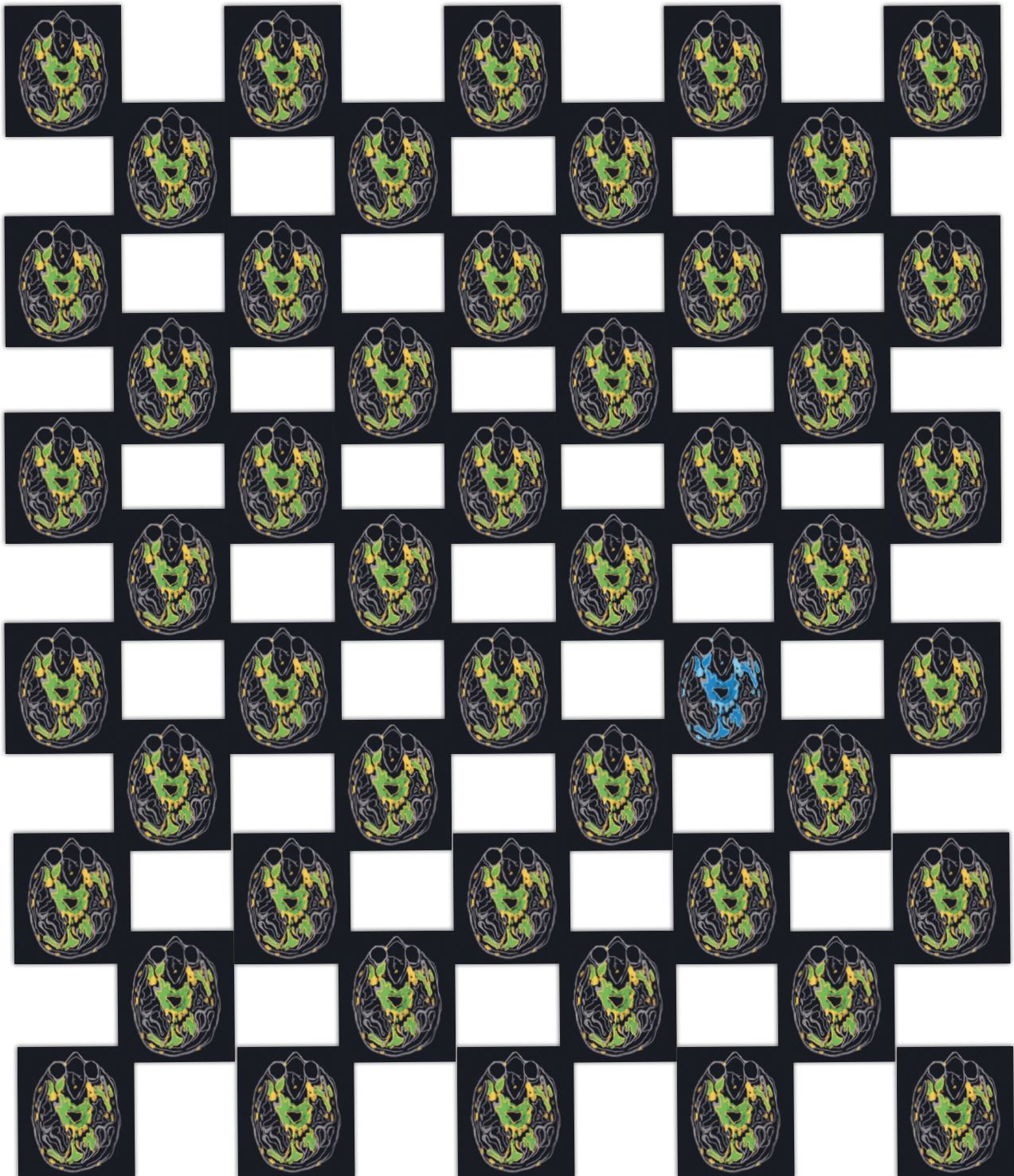
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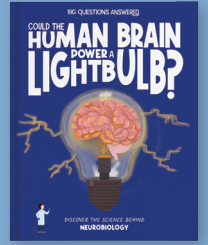
ODD BRAIN OUT

Look at all these EEGs! Can you spot the one that doesn't belong?



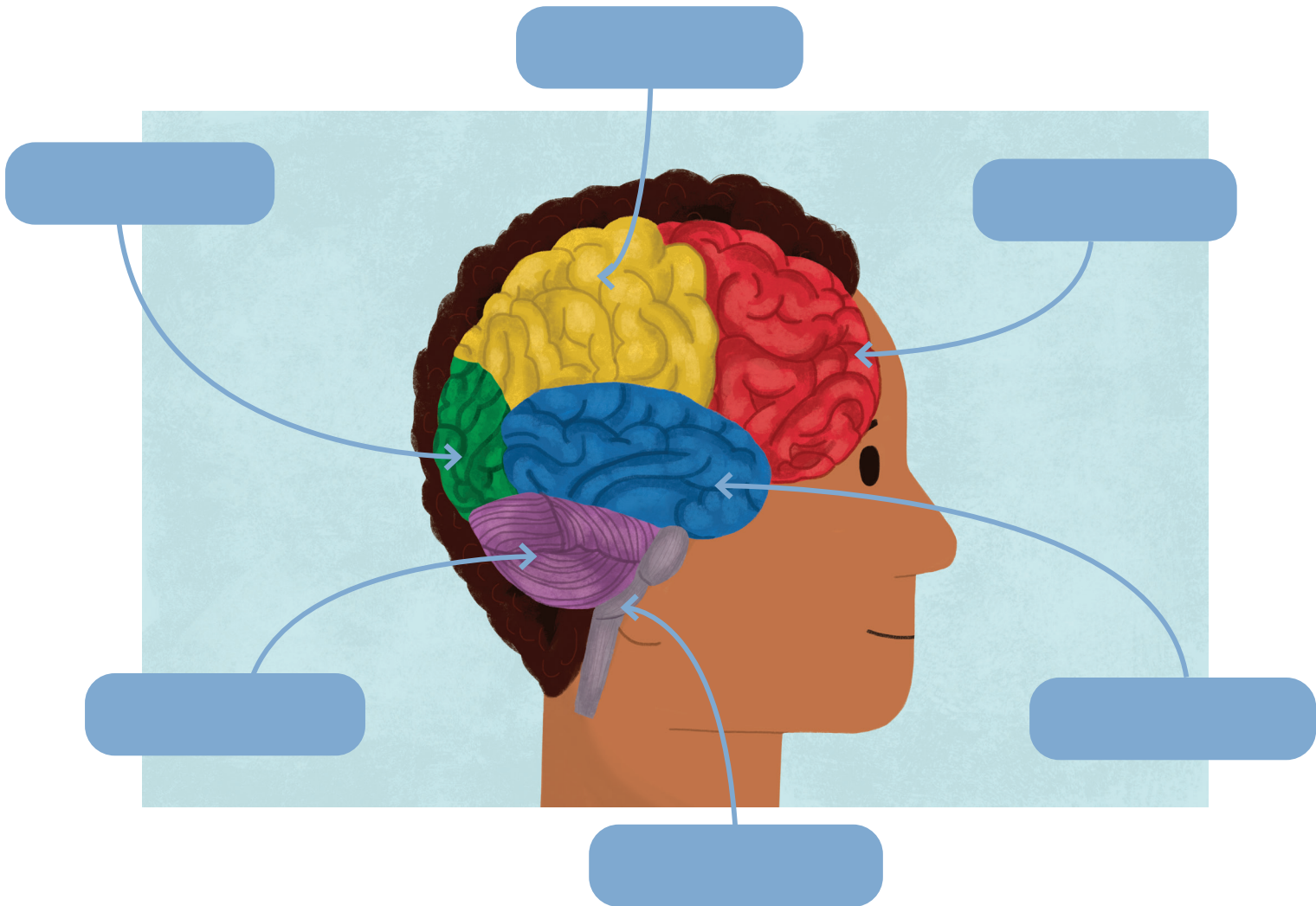
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BUILD-A-BRAIN

Brains come in many shapes and sizes. Can you fill in the boxes to label the parts of this brain with what they do? Each answer can only be used once.



BALANCE

SIGHT

LANGUAGE

HEARING

MEMORY

BREATHING

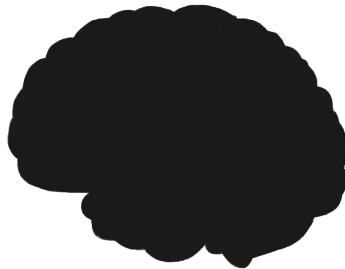
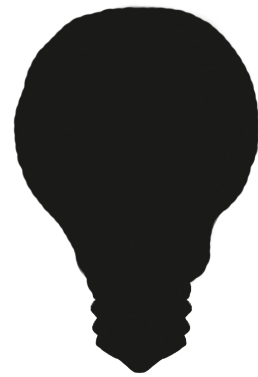
FIND THE SCIENTIST

There are lots of different scientists below. Can you find the neurobiologist?
Circle them when you find them – there's only one!



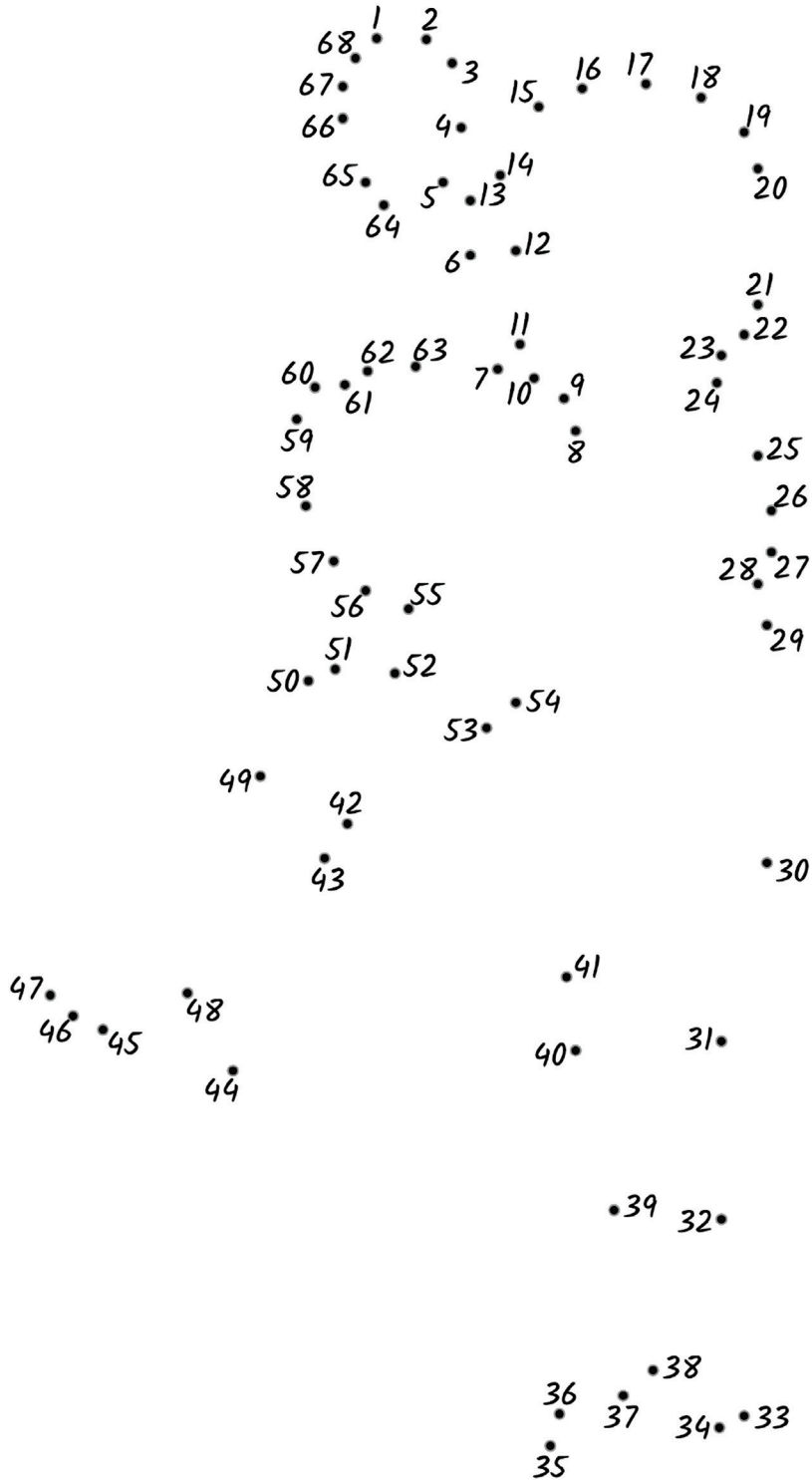
MATCH THE SHAPE

Can you match each shadow to the correct picture? Draw a line to connect them.

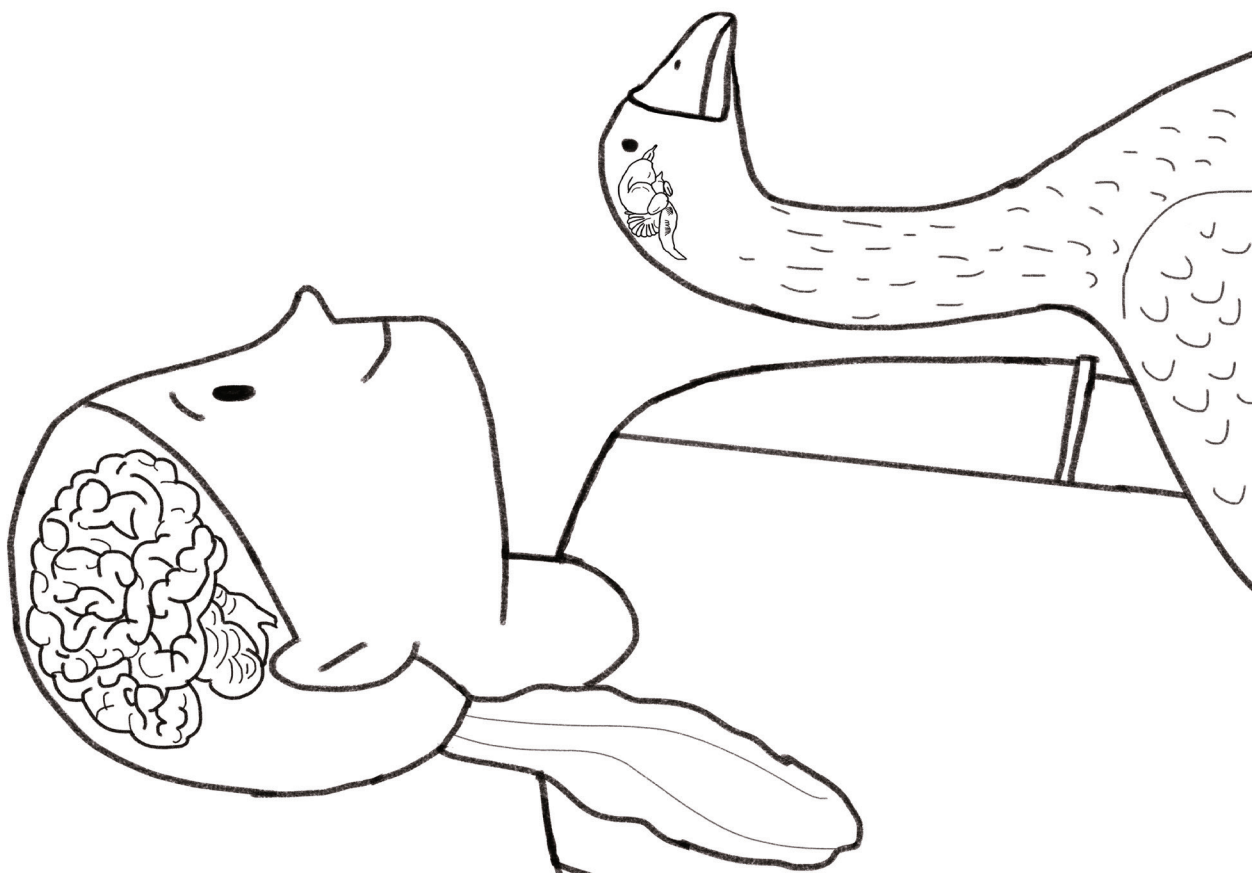
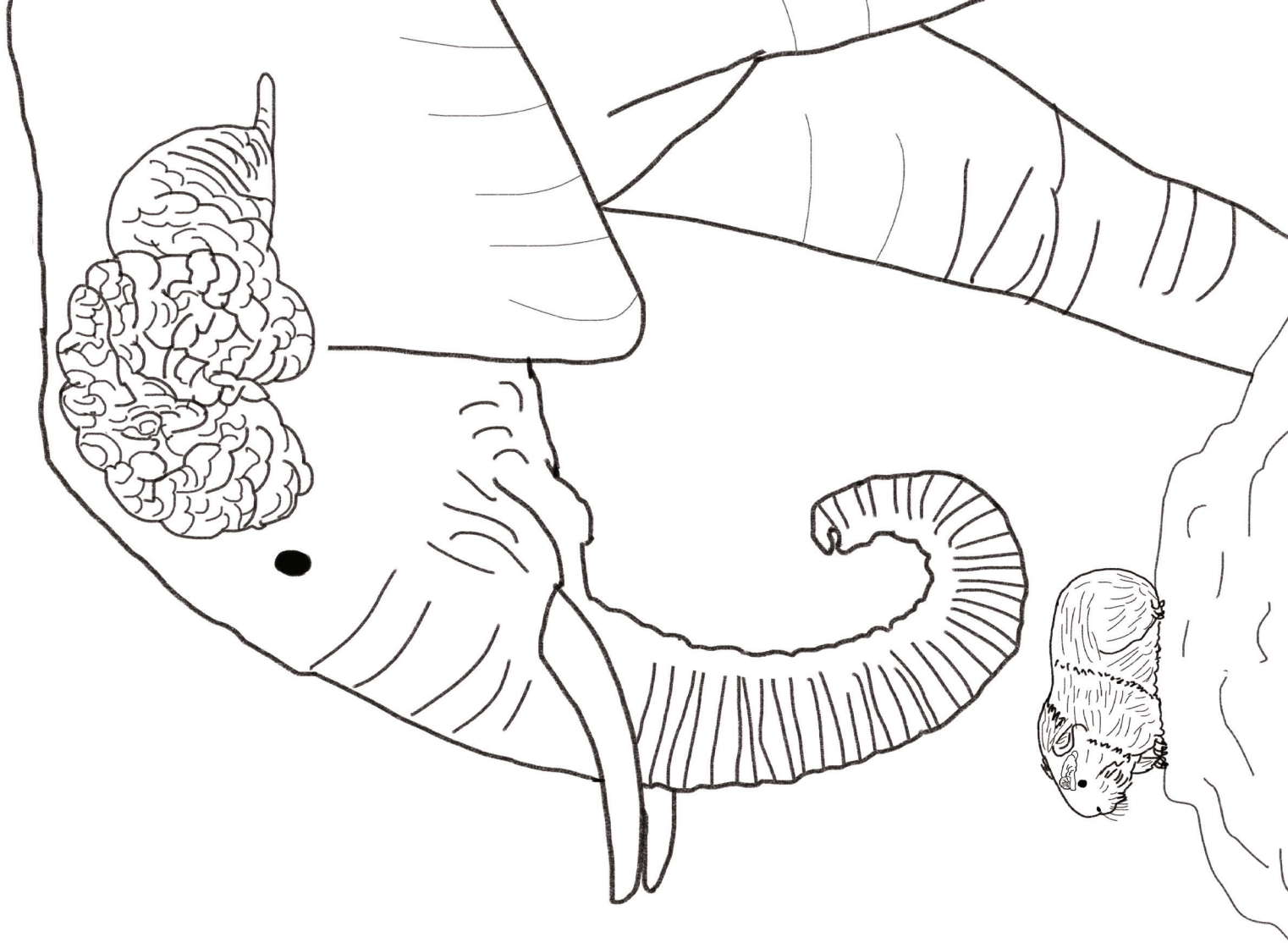


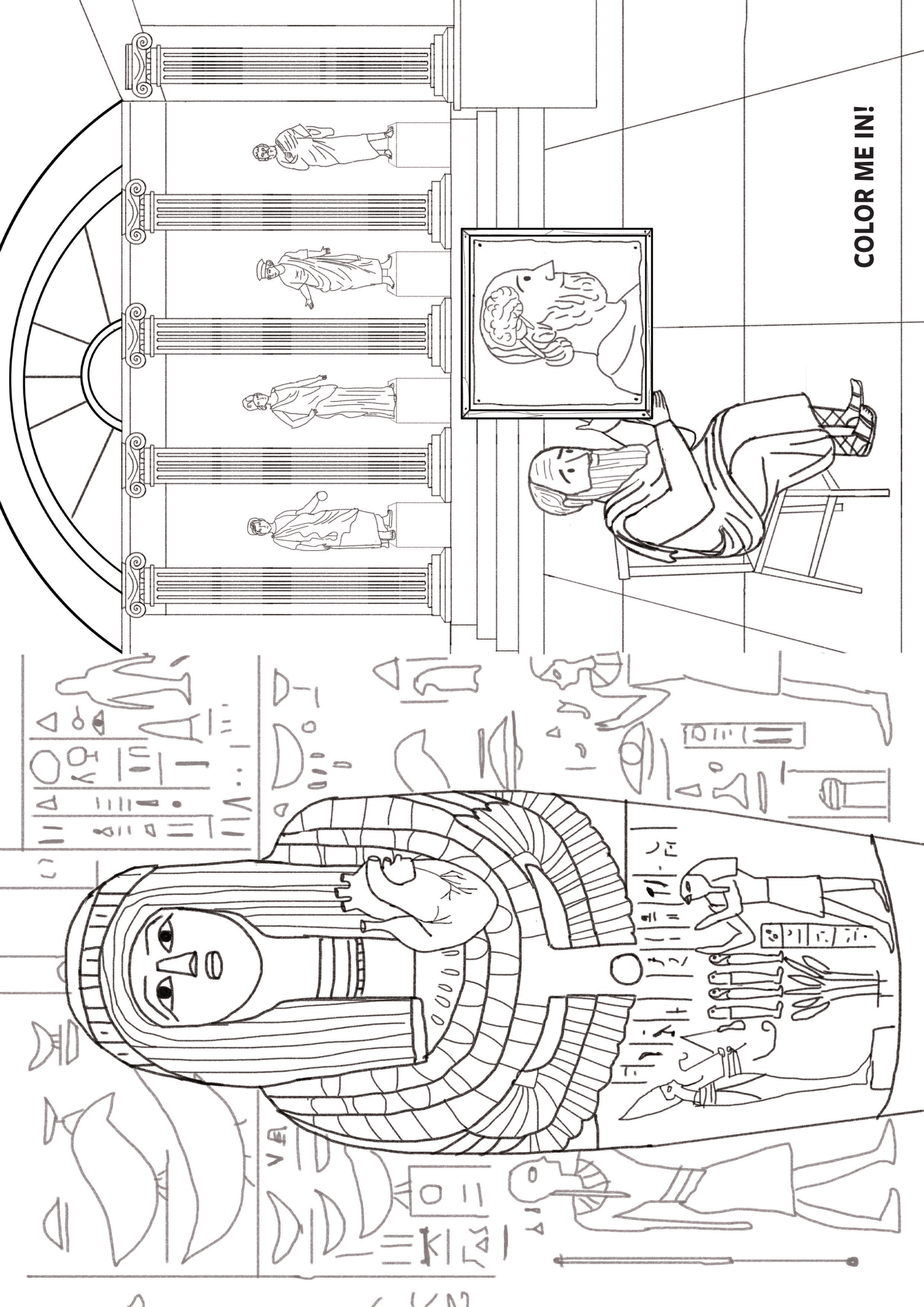
DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not colour it in afterwards?



COLOR ME IN!





COLOR ME IN!

YOUNG NEUROBIOLOGISTS' ACTIVITY ANSWERS

Find the answers to the activities on the following pages.

ACTIVITY ANSWERS

Check your answers against the correct answers below!

SUPER SMART WORD HUNT ANSWERS

The answers below are for the "wordsearch" activity on page 3.



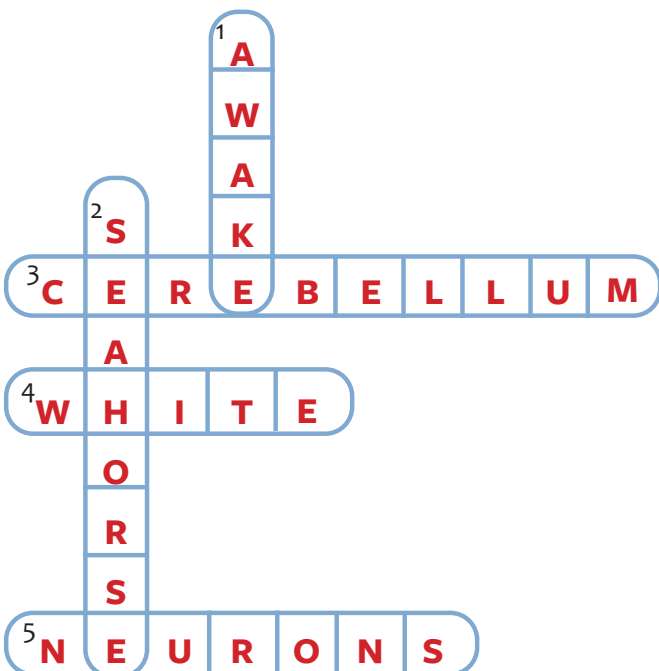
BRAINY TRICKSTER ANSWERS

The answers below are for the "spot the difference" activity on page 4.



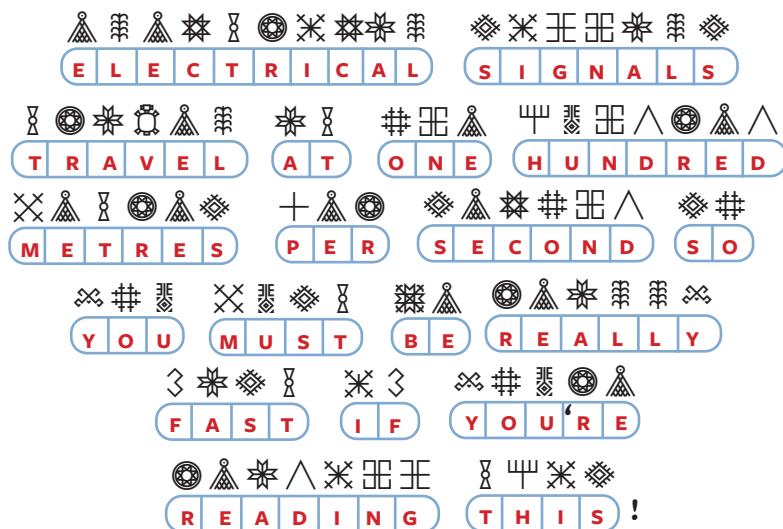
CONTROL CENTRE CROSSWORD

The answers below are for the "crossword" activity on page 5.



CHANGING WORLD ANSWERS

The answers below are for the "decoding" activity on page 7.

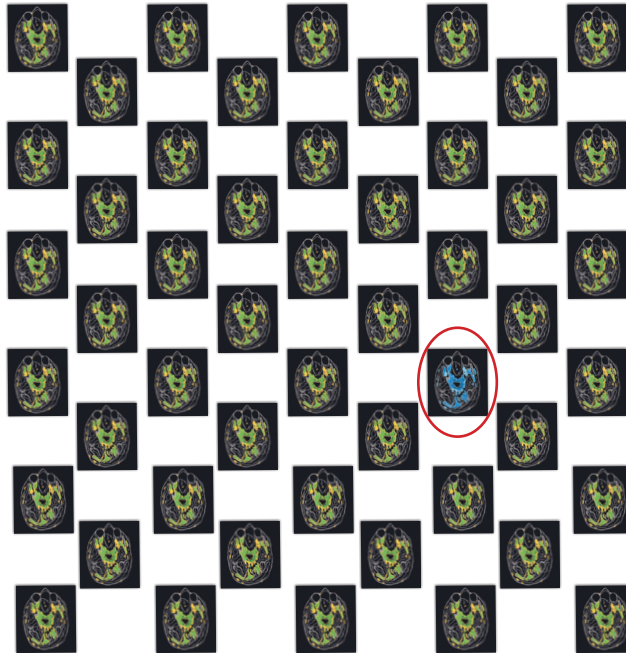


ACTIVITY ANSWERS

Check your answers against the correct answers below!

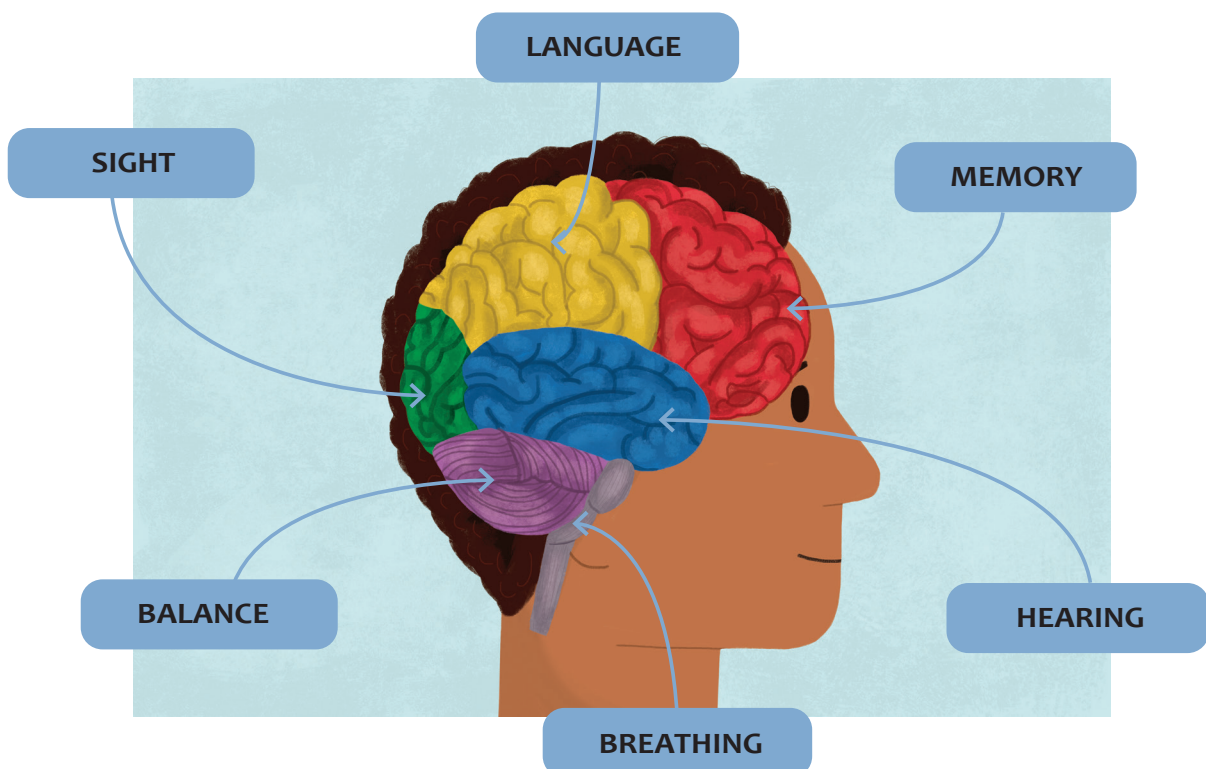
ODD BRAIN OUT ANSWERS

The answers below are for the “odd one out” activity on page 8.



BUILD-A-BRAIN ANSWERS

The answers below are for the “label the part” activity on page 9.



EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

FIND THE SCIENTIST

The answers below are for the activity on page 11.



MATCH THE SHAPE

The answers below are for the activity on page 12.

