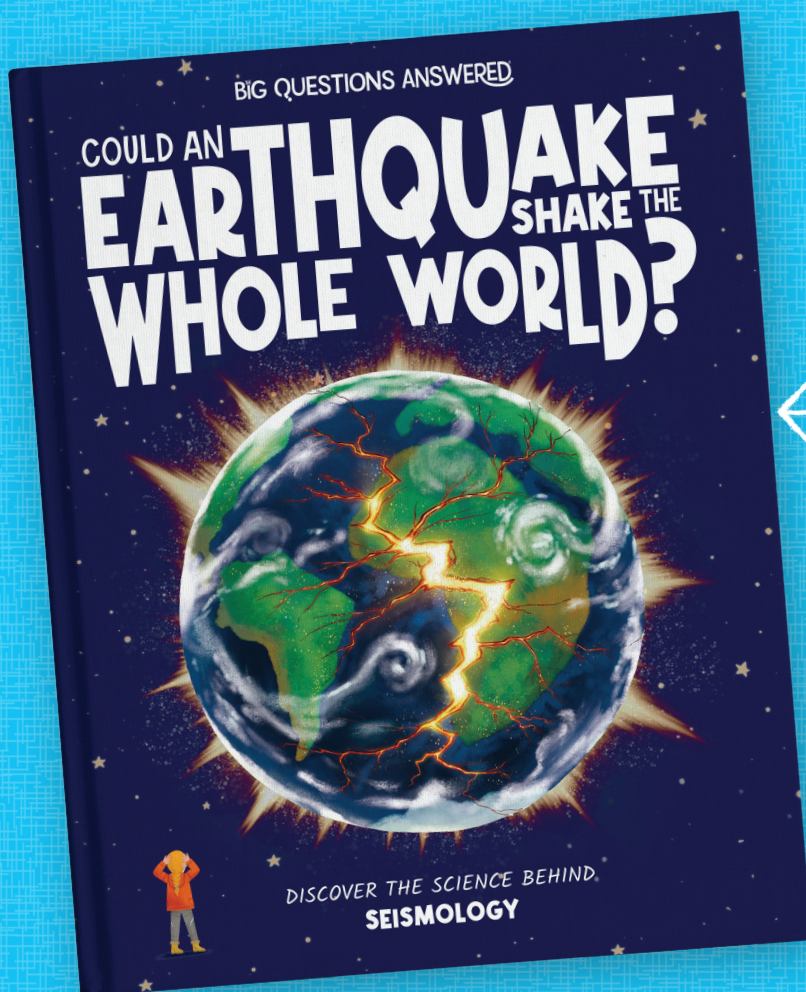


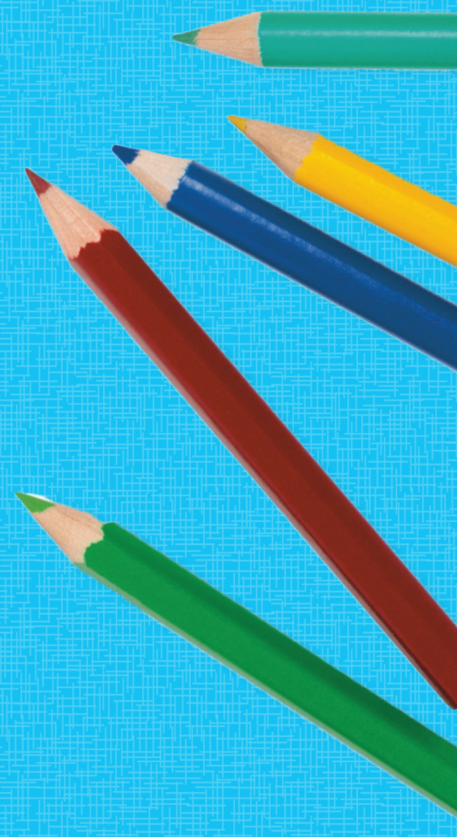
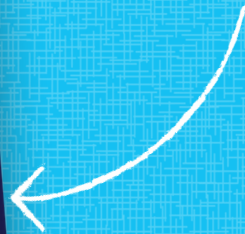
THE BIG QUESTIONS ANSWERED

YOUNG SEISMOLOGISTS'

# ACTIVITY PACK



*Full of fun and exciting activities to accompany this book!*



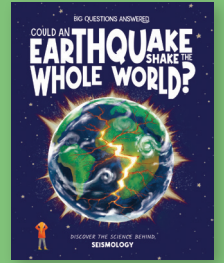
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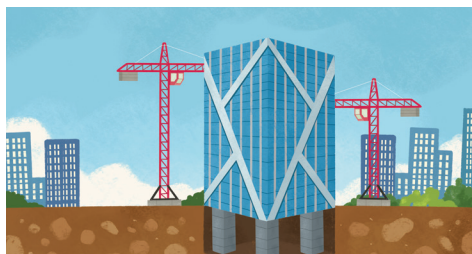
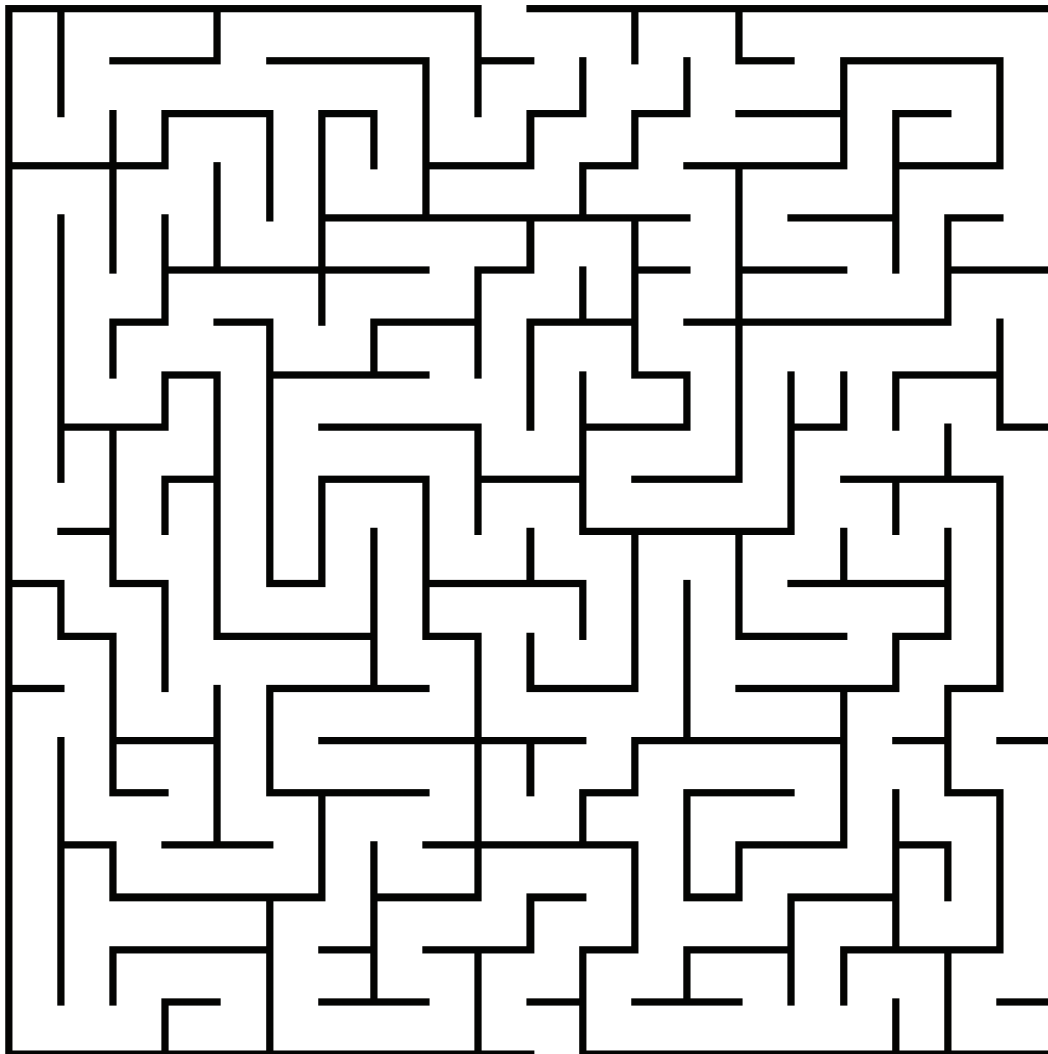
# COULD AN EARTHQUAKE SHAKE THE WHOLE WORLD?

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## SUPER SKYSCRAPER

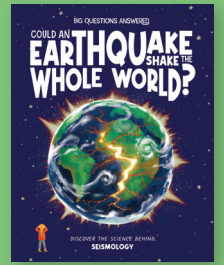
The digger is trying to build a skyscraper that can withstand strong earthquakes! Can you help the digger get to the construction site?





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## EARTH-SHAKING WORDS

Seismologists love to learn all about earthquakes! 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.

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

EARTHQUAKE  
SEISMOLOGY  
TREMORS  
SEISMOGRAPH

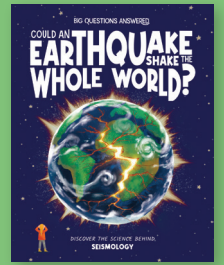
MAGNITUDE  
TSUNAMI  
VOLCANO  
LANDSLIDE

SENSOR  
TECTONIC  
MOUNTAIN  
RICHTER



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## THE POWER OF NATURE

Oh no! An earthquake has shaken the ground and mixed up these words! Test your word-solving skills by trying to unscramble the words. They are all types of natural disasters. There is a list of the correct words below to help you.

OCLCYNE

NIUSMTA

DLFOO

LELSANDID

ODRHUGT

IEWIRLFD

BILDZAZR

FLOOD

CYCLONE

WILDFIRE

BLIZZARD

TSUNAMI

LANDSLIDE

DROUGHT

## EXTRA ACTIVITY - WORD WITHIN WORDS

How many words can you find within the words "tectonic plates"?

1. You can only use the letters within the words "tectonic plates".
2. Each of these letters can only be used once: O, N, I, P, L, A, S.
3. "Tectonic plates" has two letter E's and two letter C's so you can use them twice each. It also has three letter T's so you can use them three times each.
4. You can't use any other letters from the alphabet.

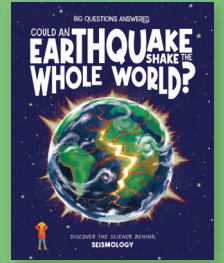
EXAMPLE: you can make the word PEEL using the letters in TECTONIC PLATES.

## TECTONIC PLATES



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## SUPER SMART SENSORS

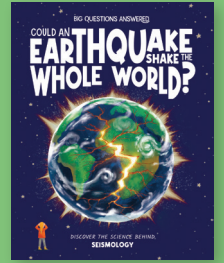
Sensors are used to detect earthquakes and send out important warnings! Can you spot the one that stands out from the rest?





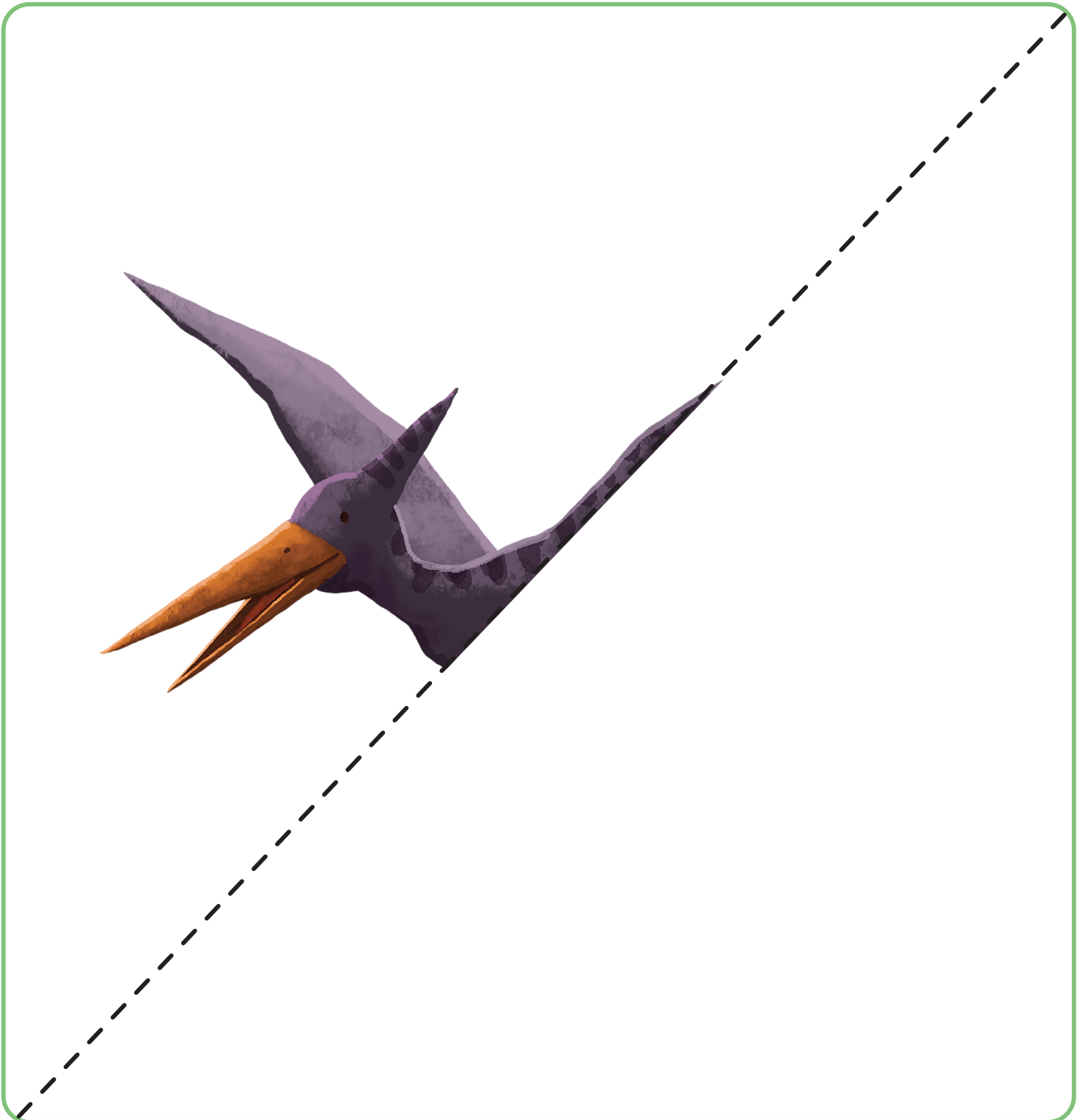
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# TERRIFYING PTERODACTYLS

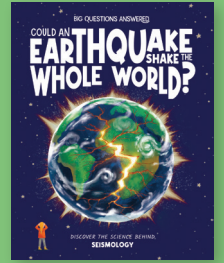
Pterodactyls were one of the prehistoric animals that lived on Earth when it was hit by a huge asteroid! Below is an illustration of one – get creative and complete the drawing! Finish the picture by coloring it in.





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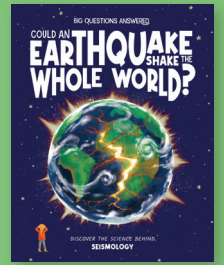
## THE POWER OF EARTHQUAKES

An earthquake has shaken the ground! Can you spot the 10 differences that it has created between the two scenes? Circle them when you spot them.



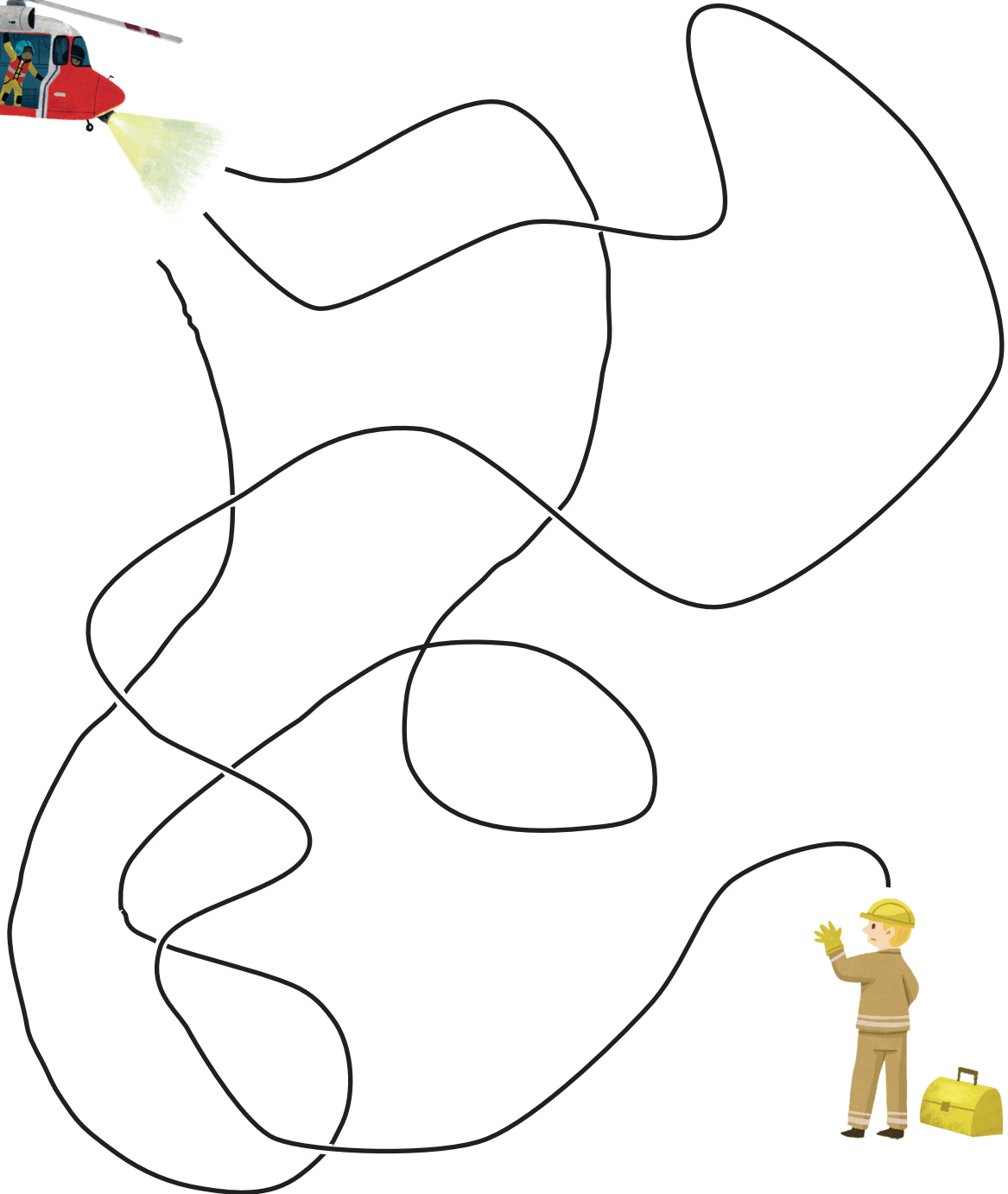
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## TO THE RESCUE!

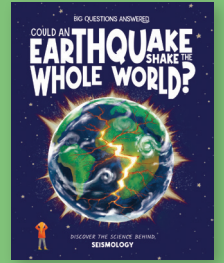
The helicopter is trying to help people after an earthquake. Can you help the helicopter find the rescue worker so that it knows where to land?





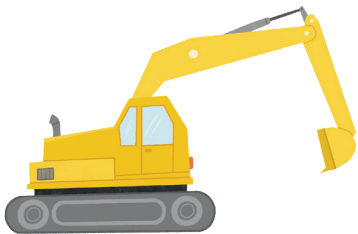
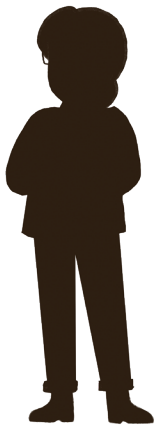
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## MATCH THE SHAPE

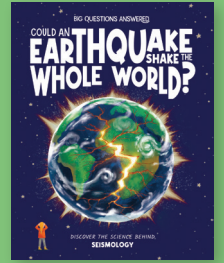
Can you match each shadow to the correct picture? Draw a line to connect them.





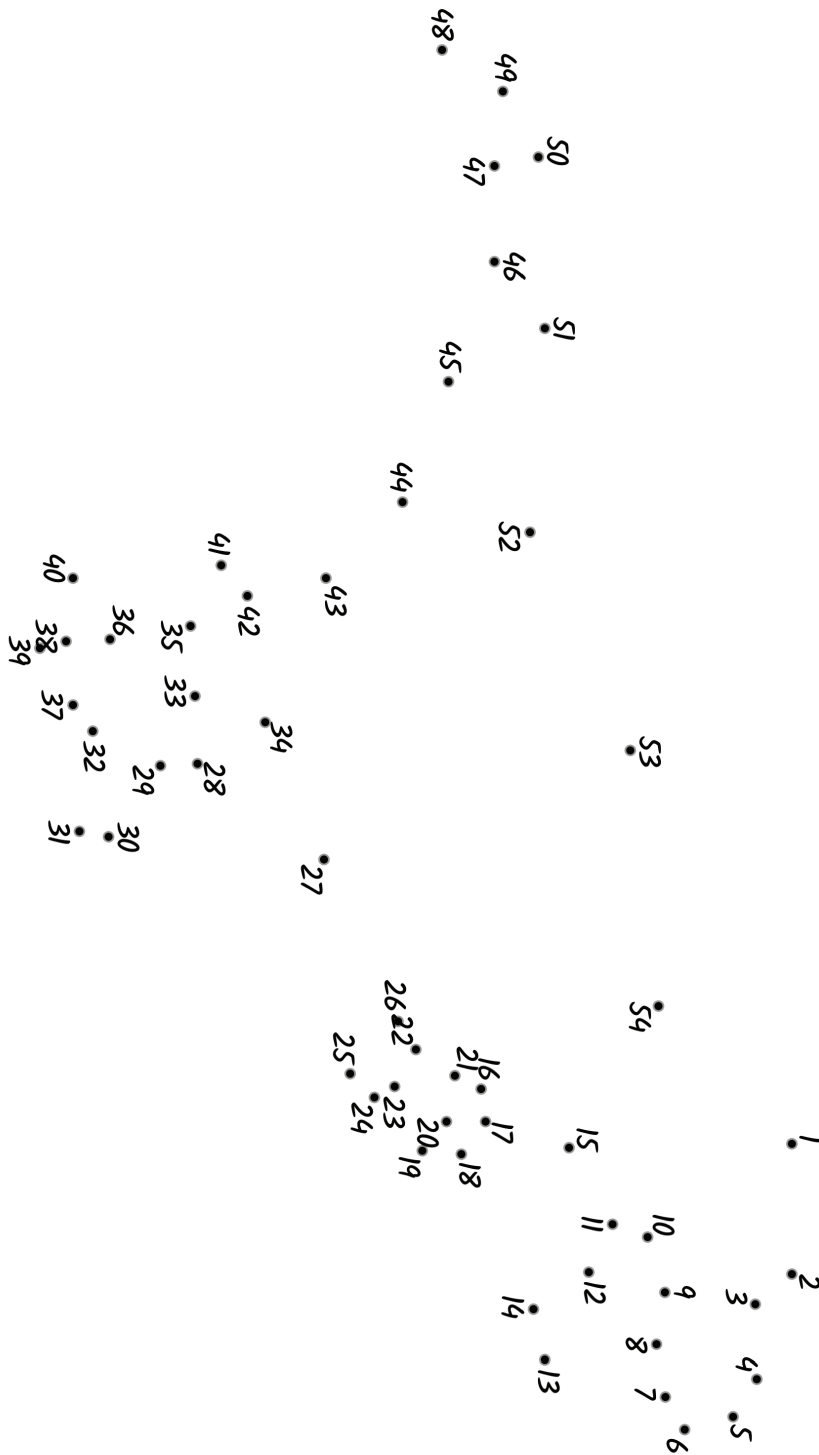
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## DOT-TO-DOT

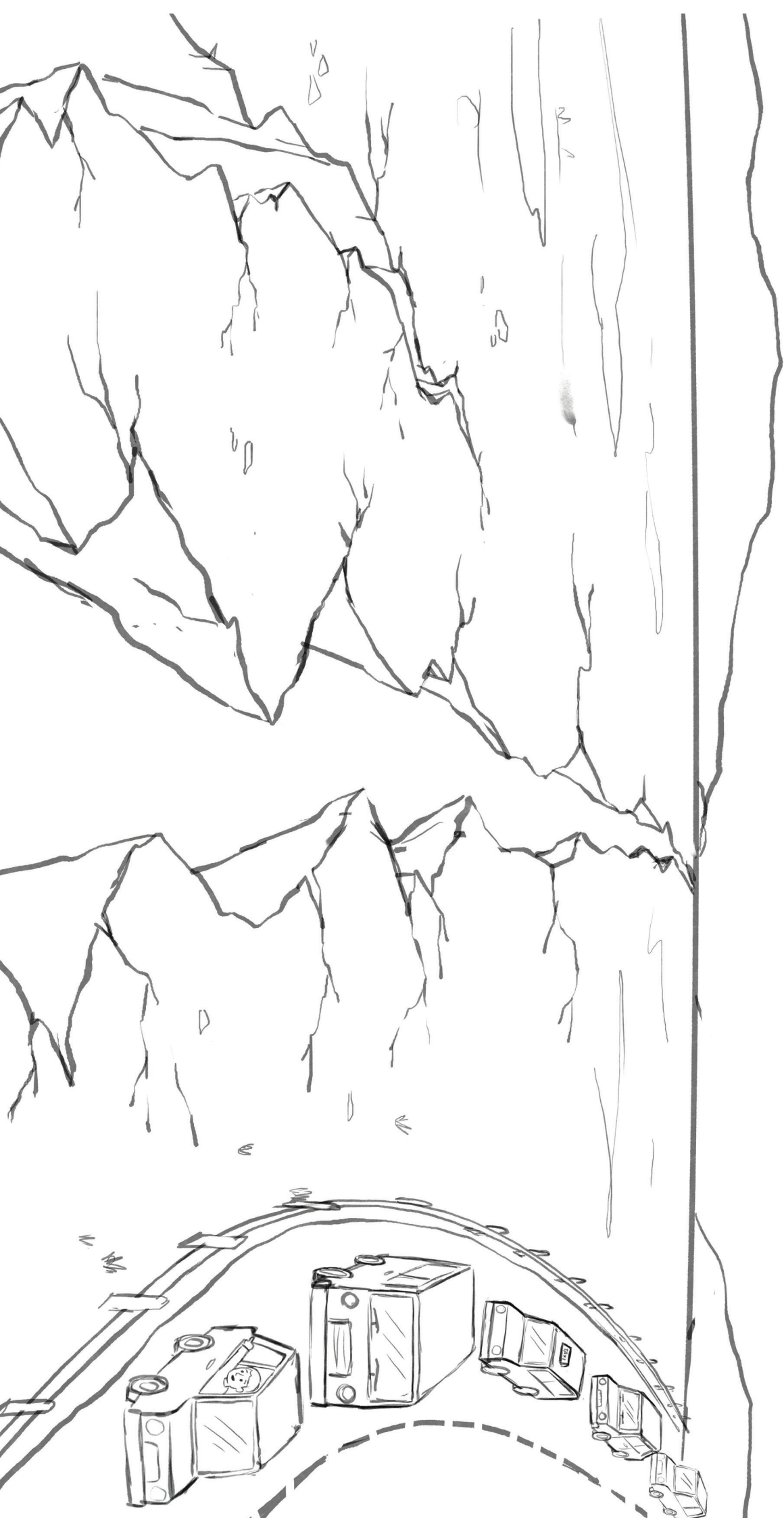
Starting from 1, draw a line connecting the numbers to create a picture. Why not color it in afterwards?



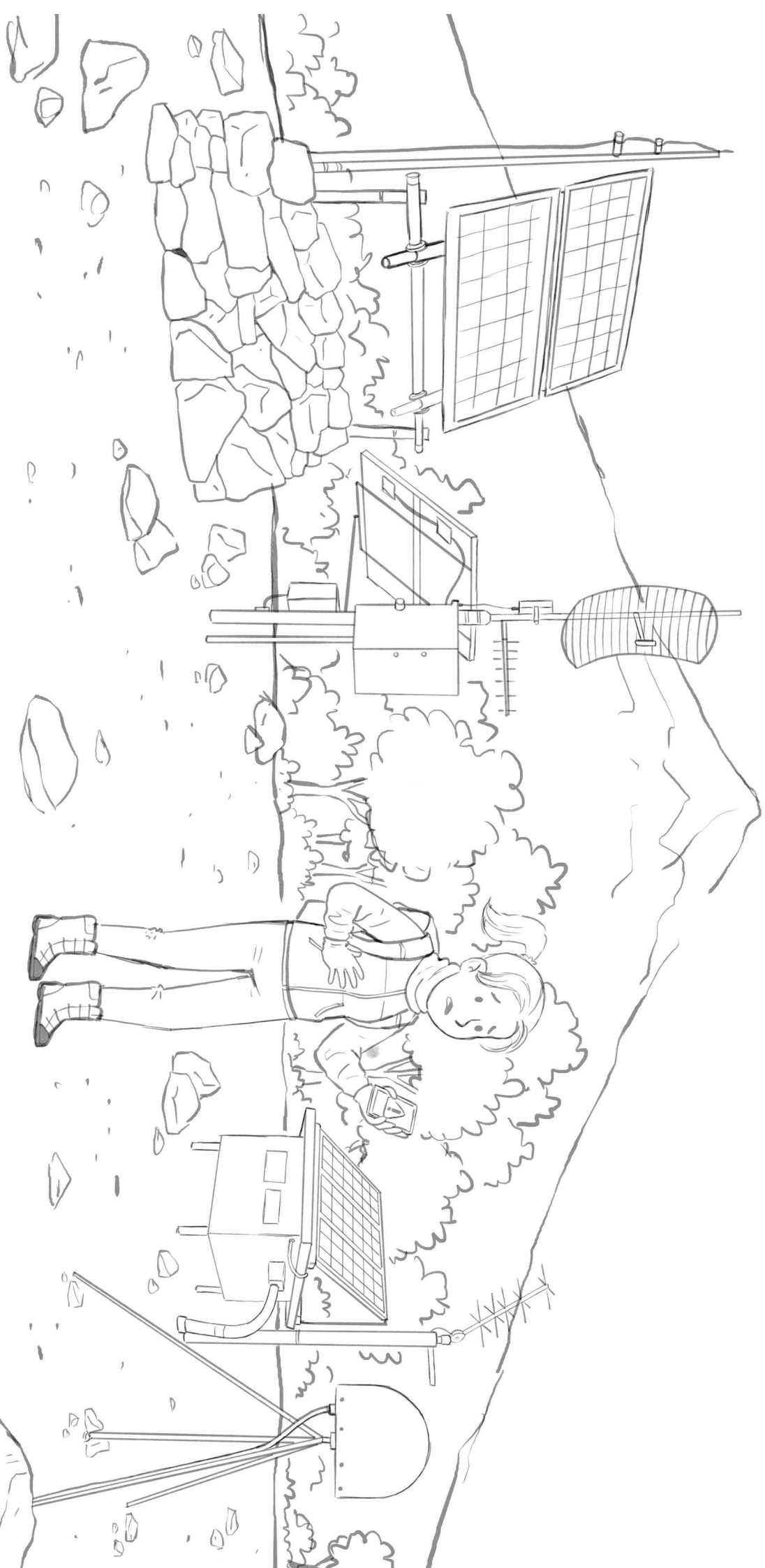
COLOR ME IN!



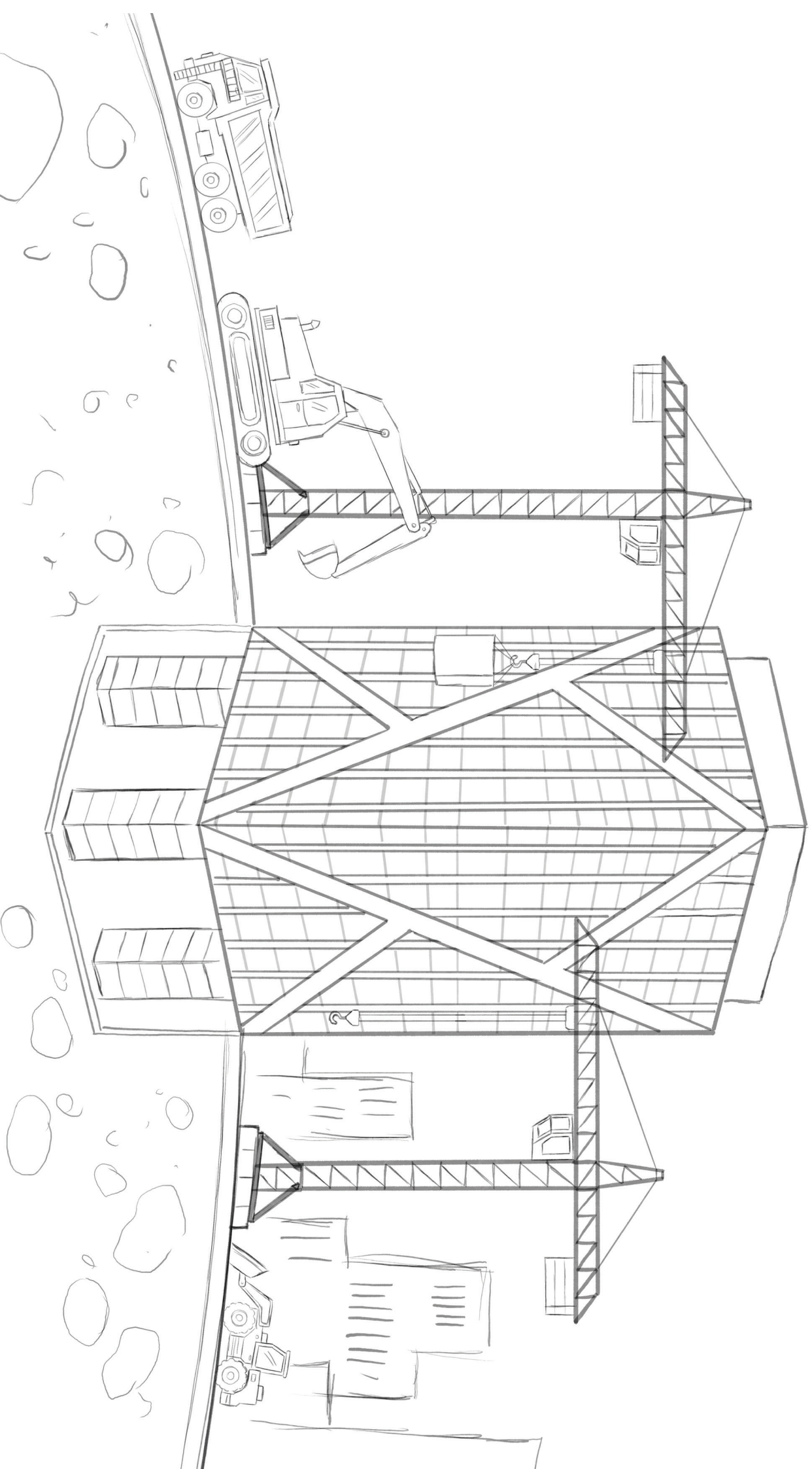
COLOR ME IN!



COLOR ME IN!



**COLOR ME IN!**



# **YOUNG SEISMOLOGISTS' ACTIVITY ANSWERS**

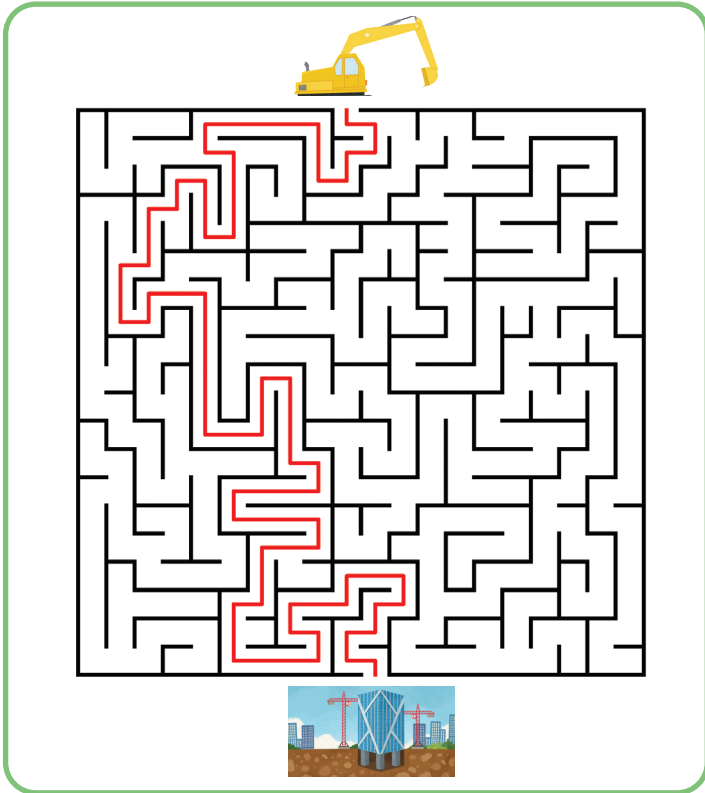
Find the answers to the activities on the following pages.

# ACTIVITY ANSWERS

Check your answers against the correct answers below!

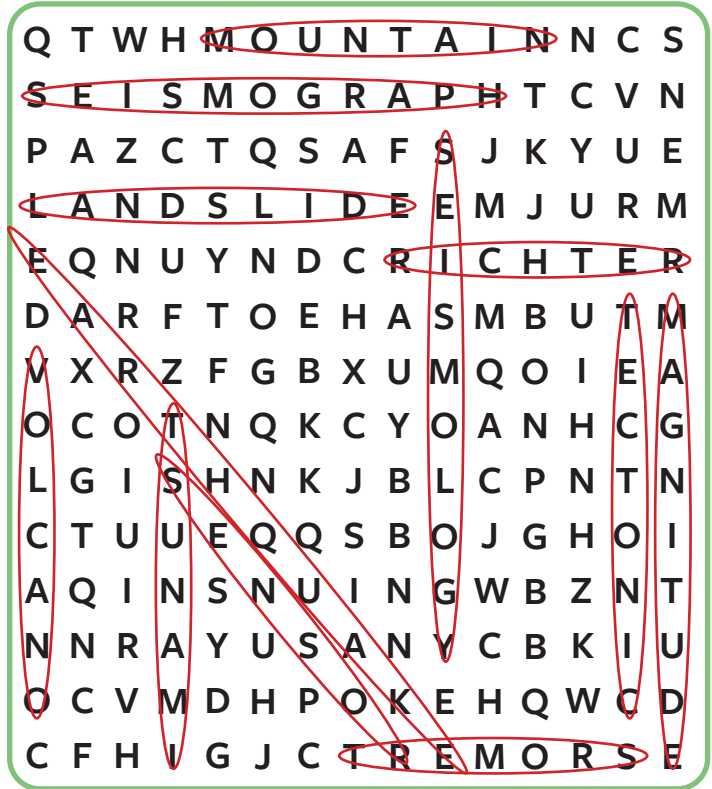
## SUPER SKYSCRAPER ANSWERS

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



## EARTH-SHAKING WORDS ANSWERS

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



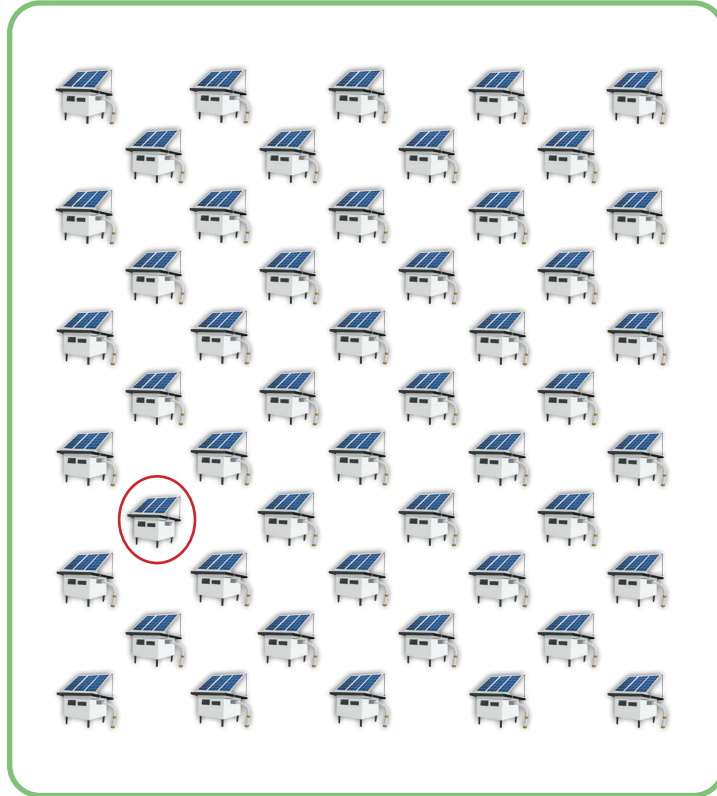
## THE POWER OF NATURE ANSWERS

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

- OCLCYNE ————— **CYCLONE**
- NIUSMTA ————— **TSUNAMI**
- DLFOO ————— **FLOOD**
- LELSANDID ————— **LANDSLIDE**
- ODRHUGT ————— **DROUGHT**
- IEWIRLFD ————— **WILDFIRE**
- BILDZAZR ————— **BLIZZARD**

# SUPER SMART SENSORS

The answers below are for the "odd one out" activity on page 6.



# THE POWER OF EARTHQUAKES

The answers below are for the "spot the difference" activity on page 9.



# TO THE RESCUE! ANSWERS

The answers below are for the "line maze" activity on page 10.



# MATCH THE SHAPE ANSWERS

The answers below are for the "match the shape" activity on page 11.

