



# EARTHQUAKES



## IT'S A FACT!

The Earth's crust is split up into **tectonic plates**.

These plates move very slowly, but a force called **friction** can sometimes cause them to stick to each other at the edges. Eventually the rocks that are stopping the plates moving will break. This allows the plates to move again and releases energy in the form of waves. We call them **seismic waves**.

Seismic waves cause the ground to shake, which we feel as an **Earthquake!**

## FILL THE GAP

Using the keywords below the wordsearch and your own research (using books or the internet) fill in the missing words below to find out some fascinating earthquake facts!

1. The surface of our planet is broken into huge, irregular shapes called t \_ \_ \_ \_ \_ c plates.
2. The mantle is made from s \_ \_ \_ d rock.
3. The tectonic plates of the Earth are moving very slowly, close to the speed that finger nails g \_ \_ w.
4. When two plates push together they can cause an e \_ \_ \_ \_ \_ e.
5. The tallest mountain in the world is E \_ \_ \_ \_ t. This is still growing!
6. The top layer of the Earth is called the c \_ \_ \_ t.
7. Earthquakes cause the ground to vibrate and s \_ \_ \_ e.
8. The layers of the Earth are the crust, the mantle and the inner and outer c \_ \_ e.

## WORDSEARCH

Have a go at the wordsearch.

Try to find as many of the keywords as you can.

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

## KEYWORDS

GEOLOGY EVEREST SOLID LIQUID  
 CRUST MANTLE CORE ROCKS SHAKE  
 TECTONIC EARTHQUAKE MOUNTAINS



For more activities visit: [www.geobus-london.org.uk](http://www.geobus-london.org.uk)