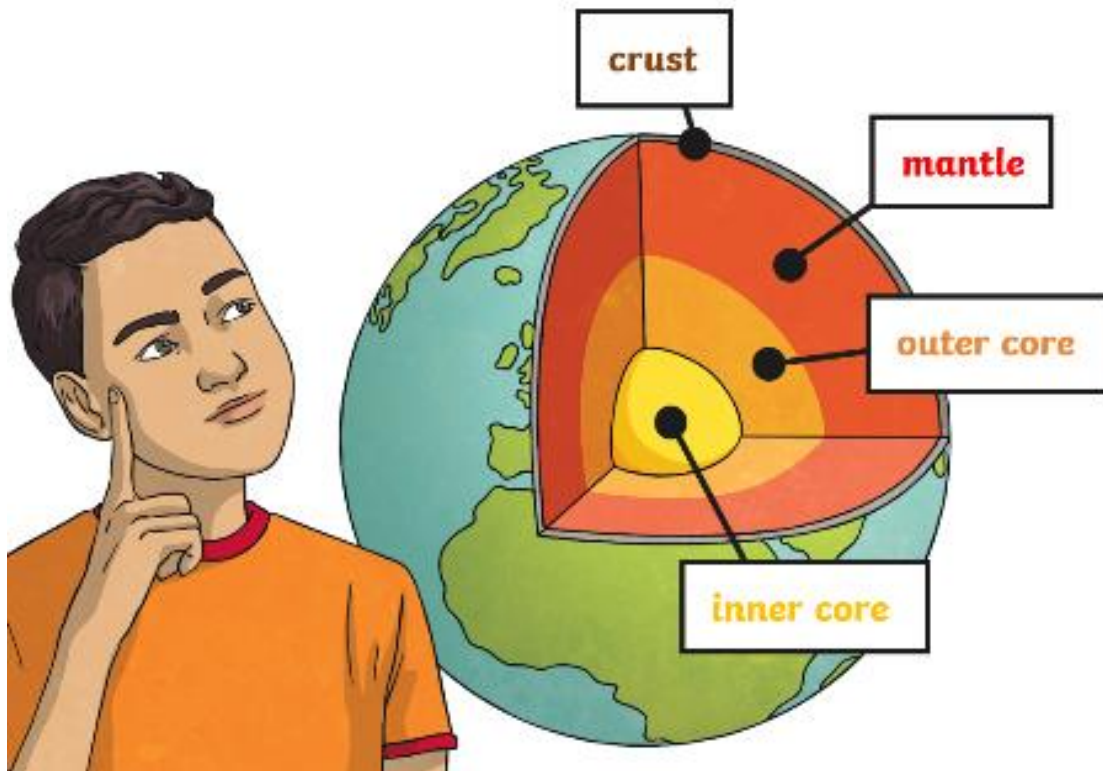
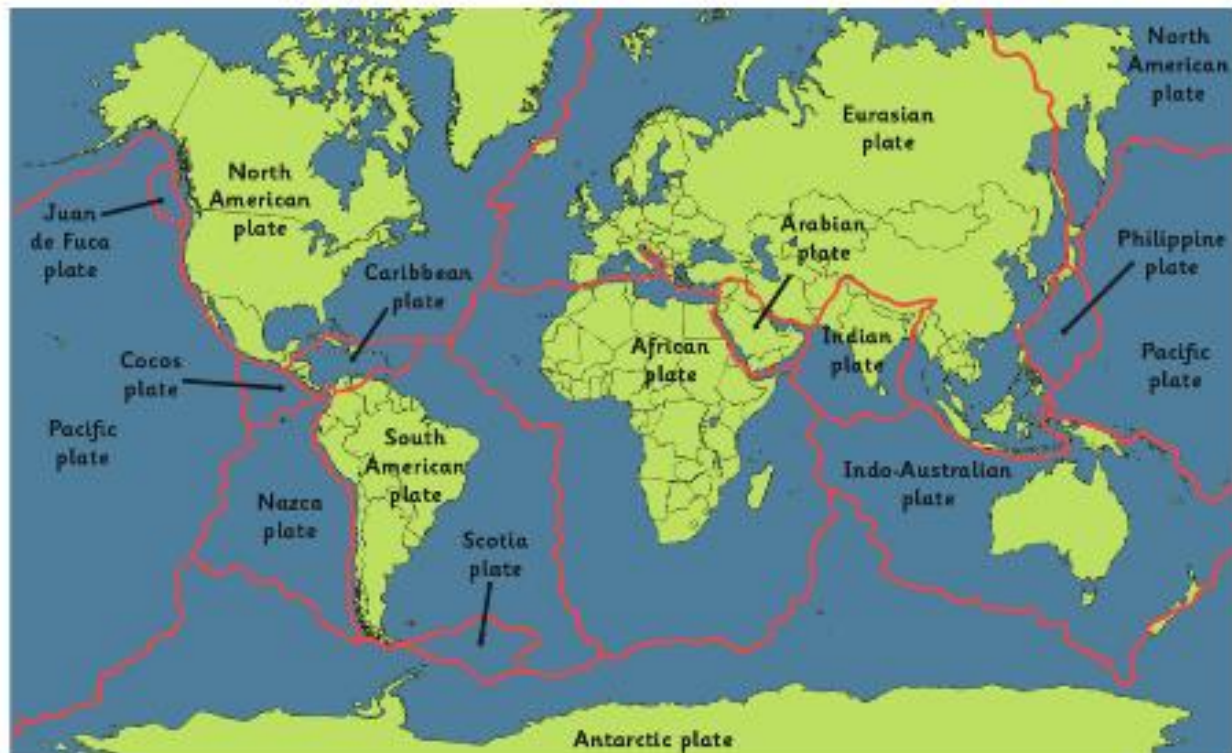


Can You Remember What's Under Your Feet?



Tectonic Plates

The Earth's crust isn't one solid layer. It is broken up into huge areas called tectonic plates that float on top of the mantle.



How Can You Move Your Plates?



Use the two pieces of paper you have been given.
Lay your "plates" flat onto the table.

How many different ways can you move the plates around?



Rubbing
together



Towards
each other



Away from
each other

What Have Tectonic Plates Got to do with Volcanoes?



Watch footage of
the valley [here](#).

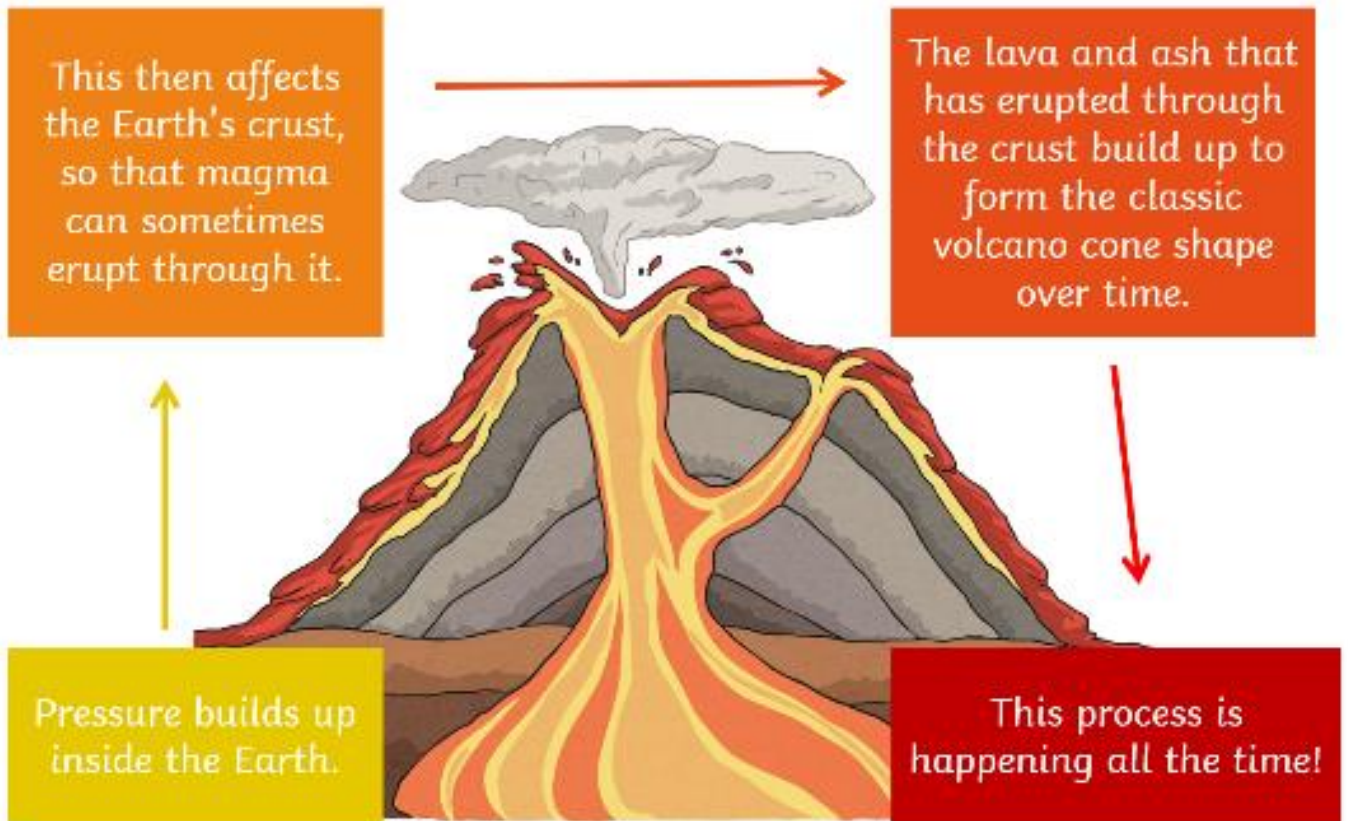
This valley is over 9000
years old.

It is getting 7mm wider every
year as the plates are still
moving apart.

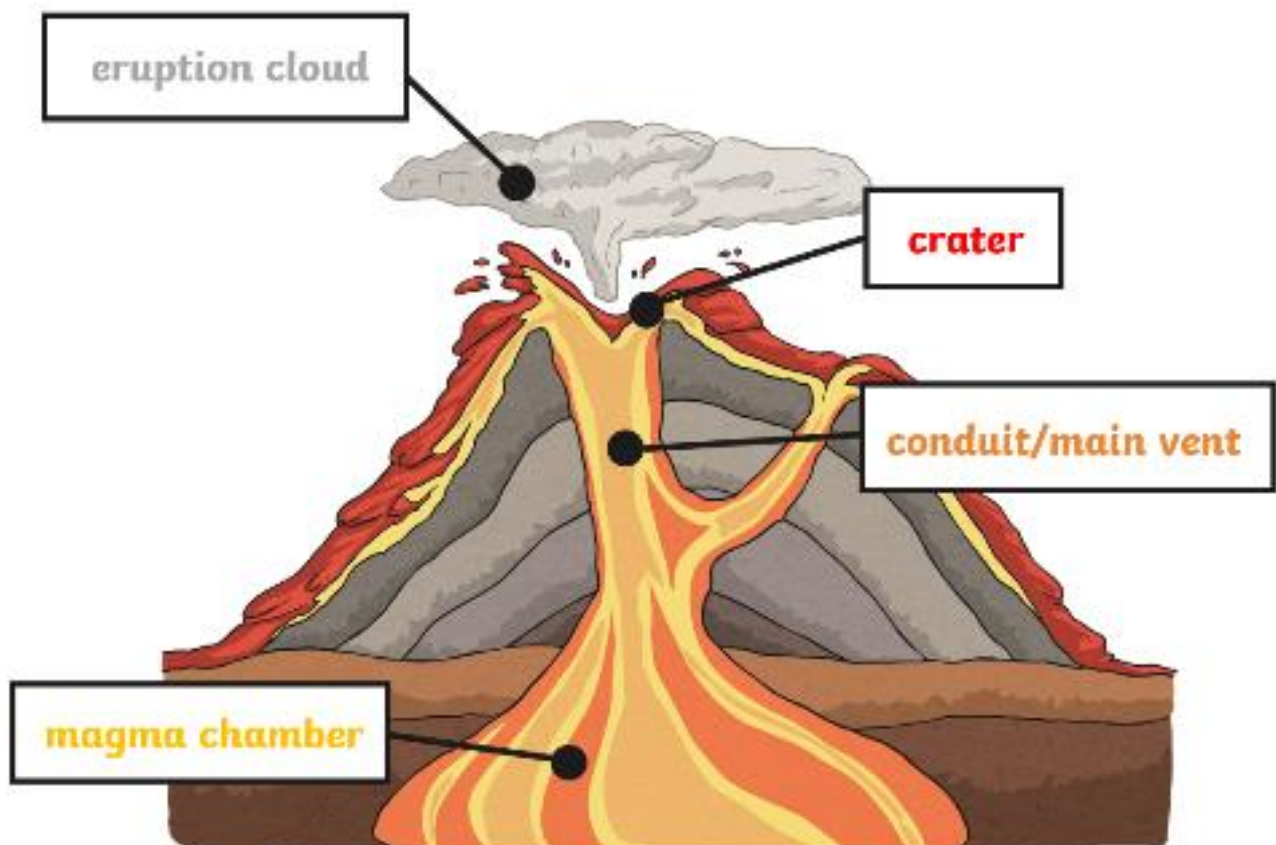
The rocky valley floor was
caused by cooled lava.

This valley is surrounded by
volcanoes that have formed as
the plates move apart.

How Are Volcanoes Made?



What's It All Called?



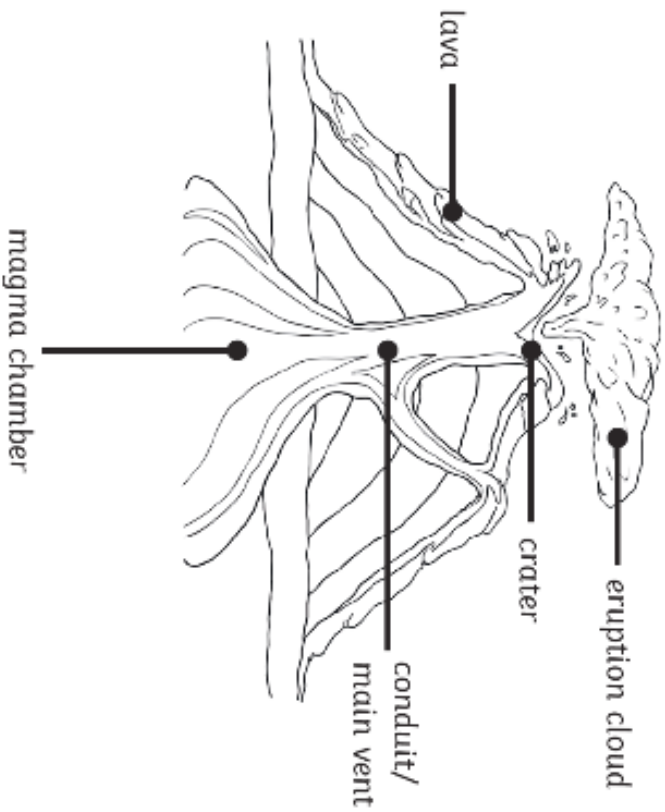
Task- Complete the diagram by describing the steps needed for volcanoes to form.



How a Volcano Is Made

To explain how volcanoes are formed.

Write a small paragraph about each stage of a volcano's life.



Key words: magma, pressure, lava, eruption

1

3

2

4

Answers

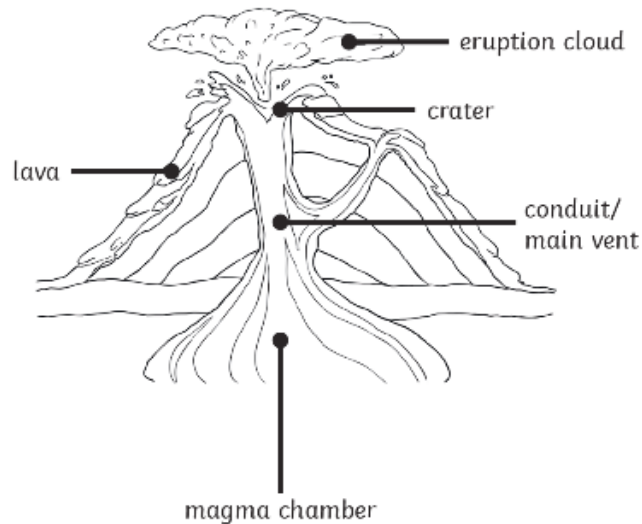
How a Volcano Is Made **Answers**

1

Pressure builds up inside the Earth.

3

The lava and ash that have erupted through the crust build up to form the classic volcano cone shape over time.



2

This then affects the Earth's crust, so that magma can sometimes erupt through it.

4

This process is happening all the time!