

Volcanoes

Extreme Earth

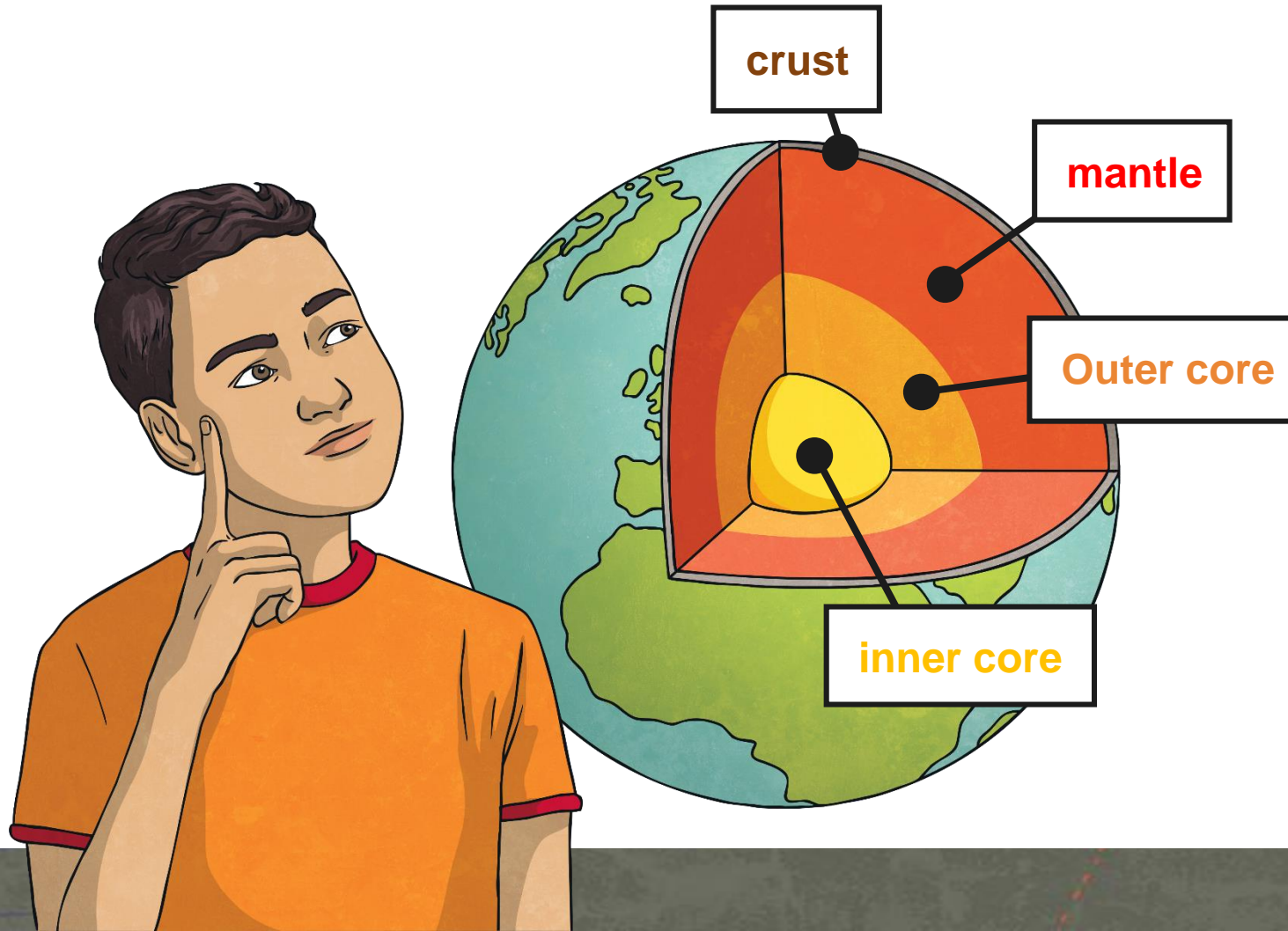
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MONDAY 11TH JANUARY

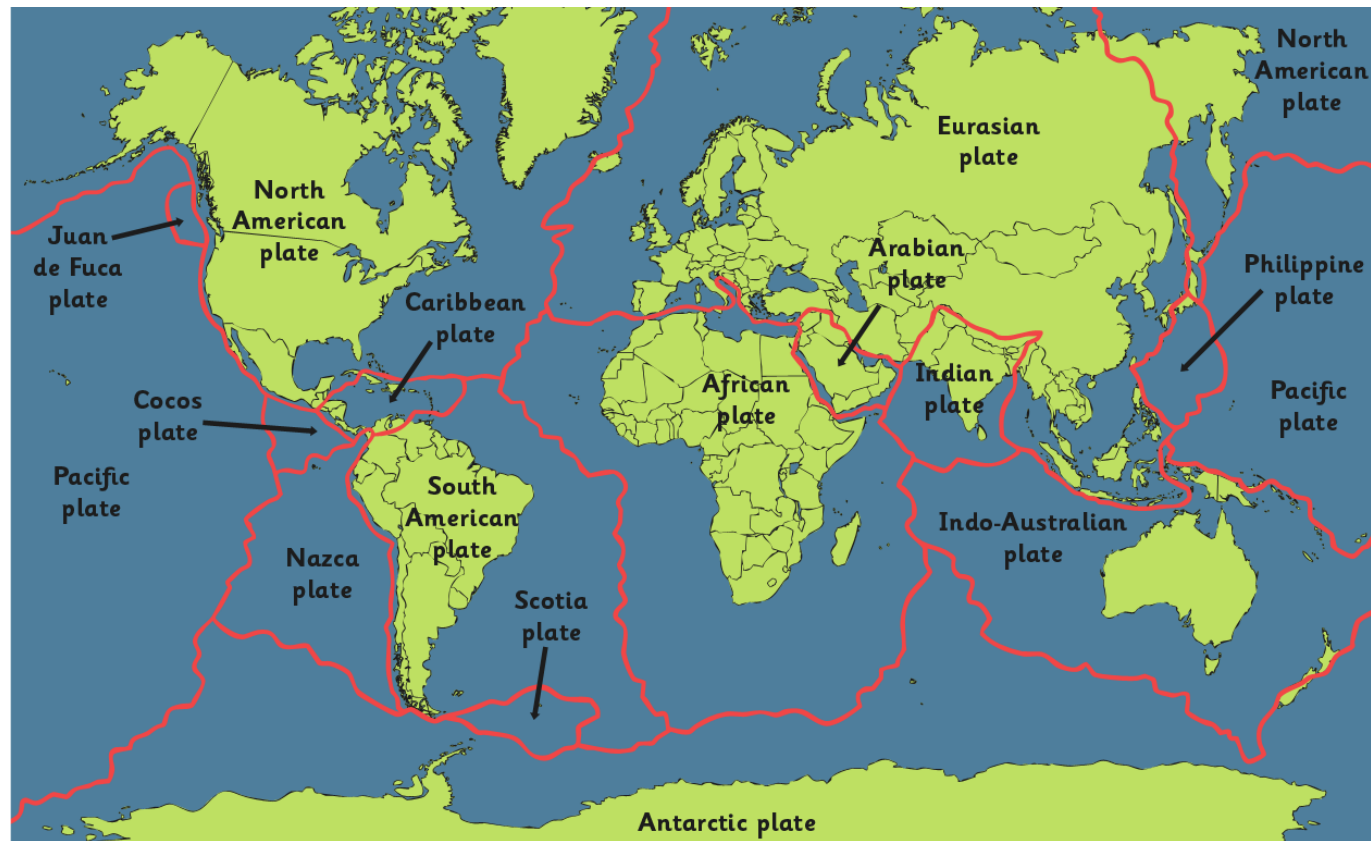
LO: As a geographer, I understand how volcanoes are formed.

Can You Remember What's Under Your Feet?

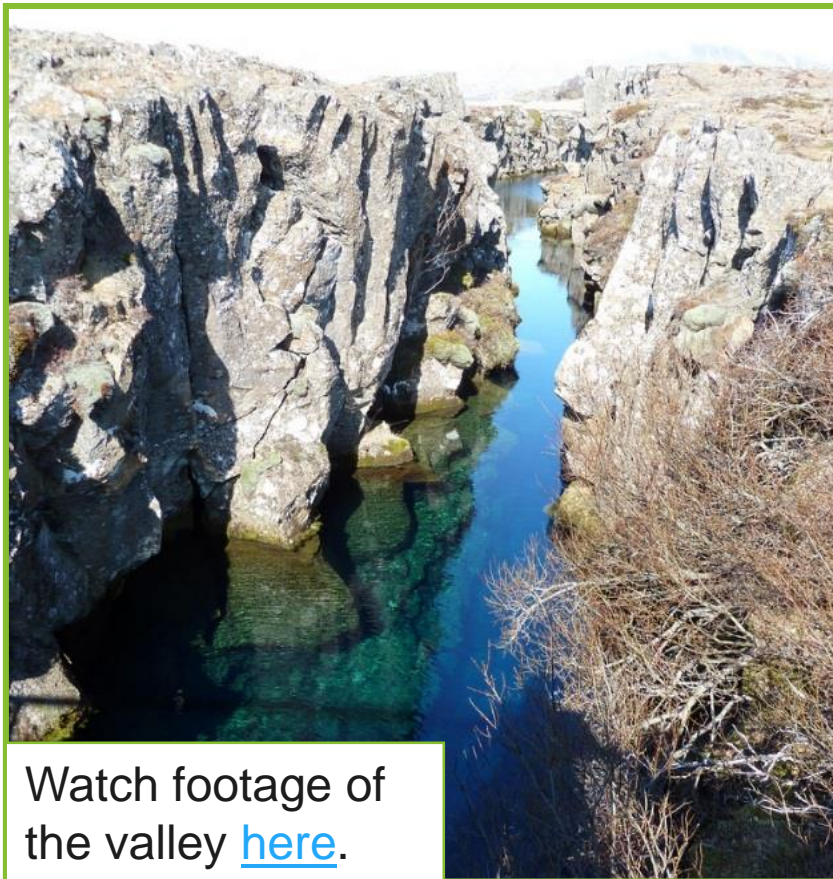


Tectonic Plates

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.



What Have Tectonic Plates Got to do with Volcanoes?



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

This valley is over 9000 years old.

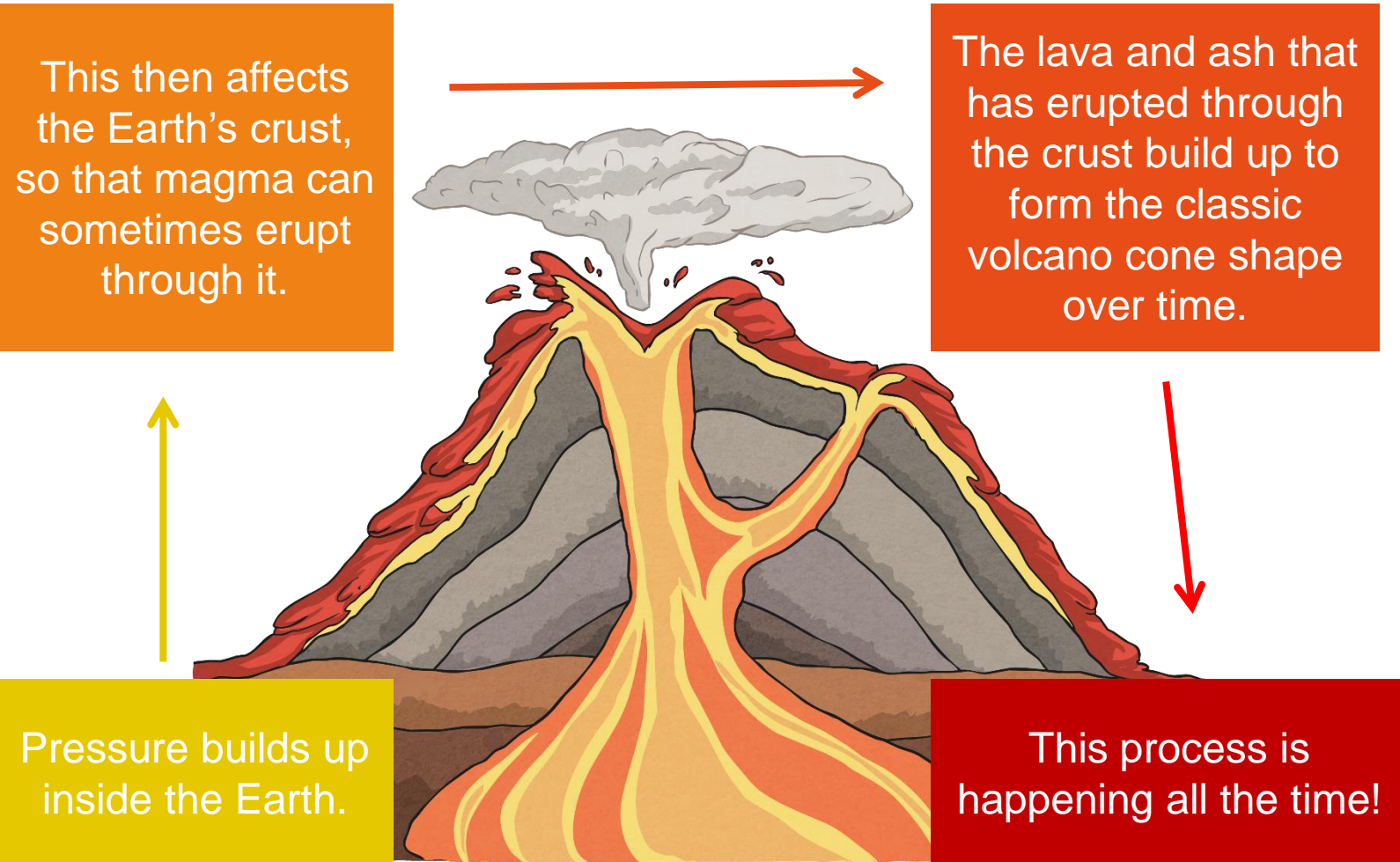
It is getting 7mm wider every year as the plates are still moving apart.

The rocky valley floor was caused by cooled lava.

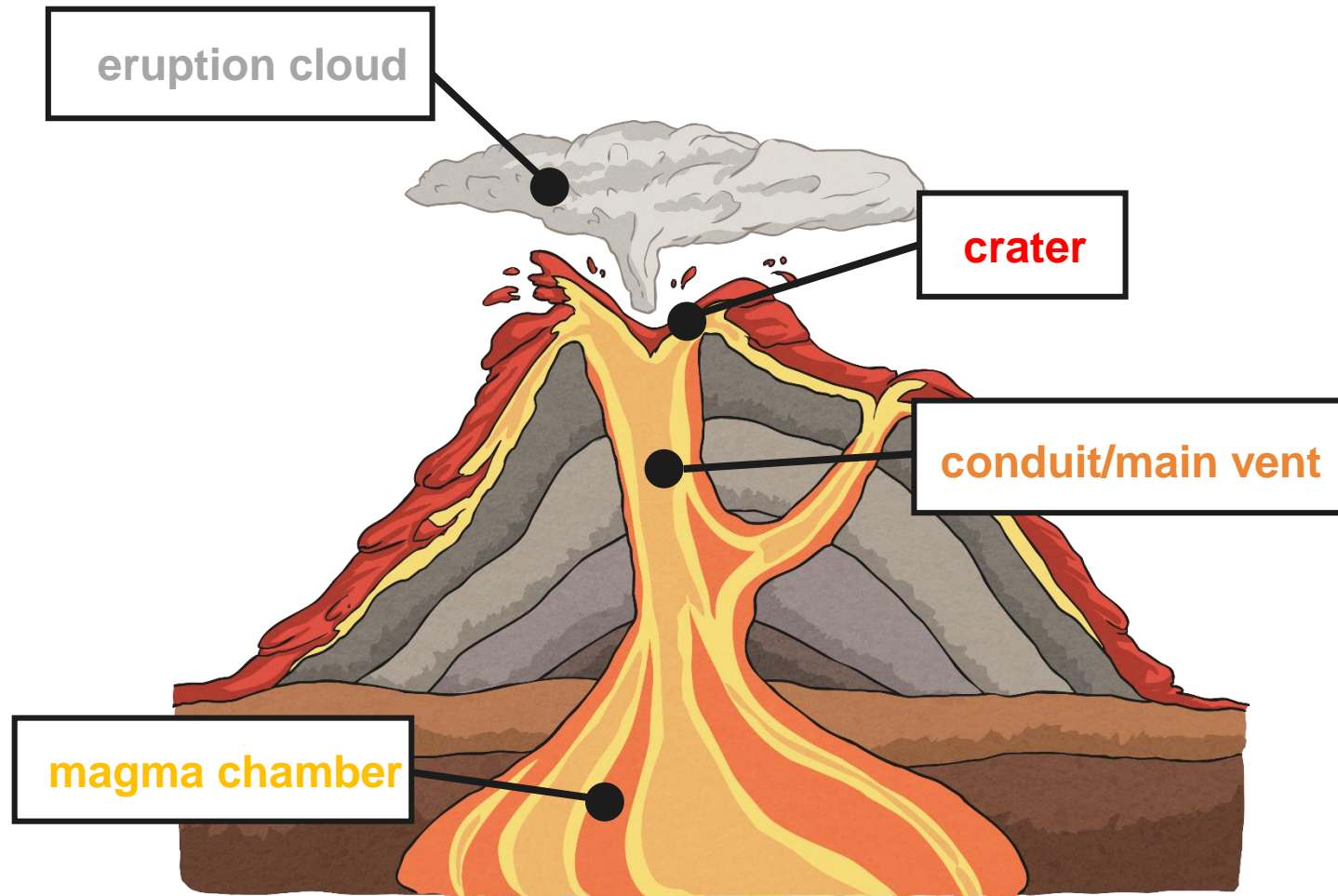
This valley is surrounded by volcanoes that have formed as the plates move apart.

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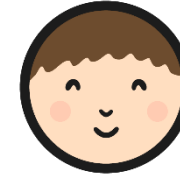
How Are Volcanoes Made?



What's It All Called?



How a Volcano Is Made



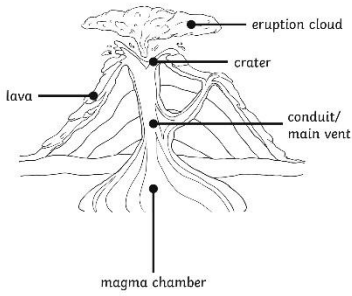
Use the **Activity Sheet** you have been given to explain how a volcano is created and grows, and what its main parts are called.

How a Volcano Is Made

To explain how volcanoes are formed.

1

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



2

3

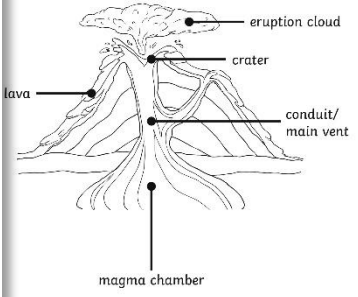
4

Key words: magma, pressure, lava, eruption.

How a Volcano Is Made

To explain how volcanoes are formed.

Complete the sentences describing a volcano's life.



2

This then affects the Earth's c_____, so that m_____ can sometimes e_____ through it.

4

This process is happening all the time!

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Make Your Own Volcano



Watch what happens when the vinegar is added to the liquid in the cup!



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