

Global Tectonics

Where and why do we get earthquakes and volcanoes?

Starter : make a copy of the table into your book and fill in the first 2 columns



What I Know	What I want to know	What I have Learnt

Earthquakes and Volcanoes

- Watch the video to see what volcanoes are like when they erupt



Amazing volcanoes



- To learn key features of the Earth's structure
- Identify/ describe... what you know about earthquakes and volcanoes
- Identify/Describe... the layers of the earth
- Describe/Explain... how these layers are linked

EXPLOSIVE WORLD



Watch the video that describes the layers of the earth

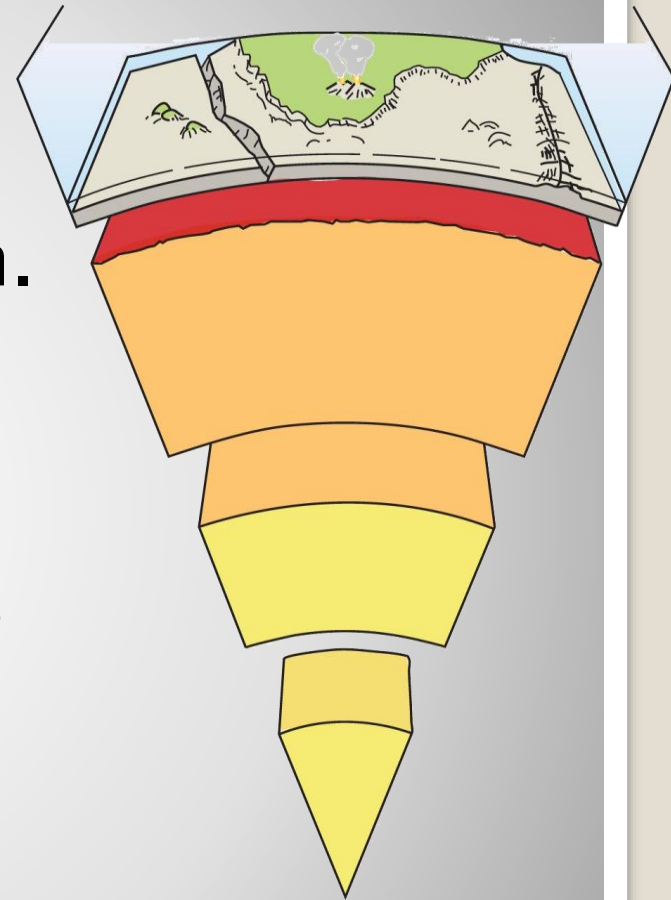
Discuss with your partner what you have found out.



The Structure of the Earth

There are four main layers of Earth

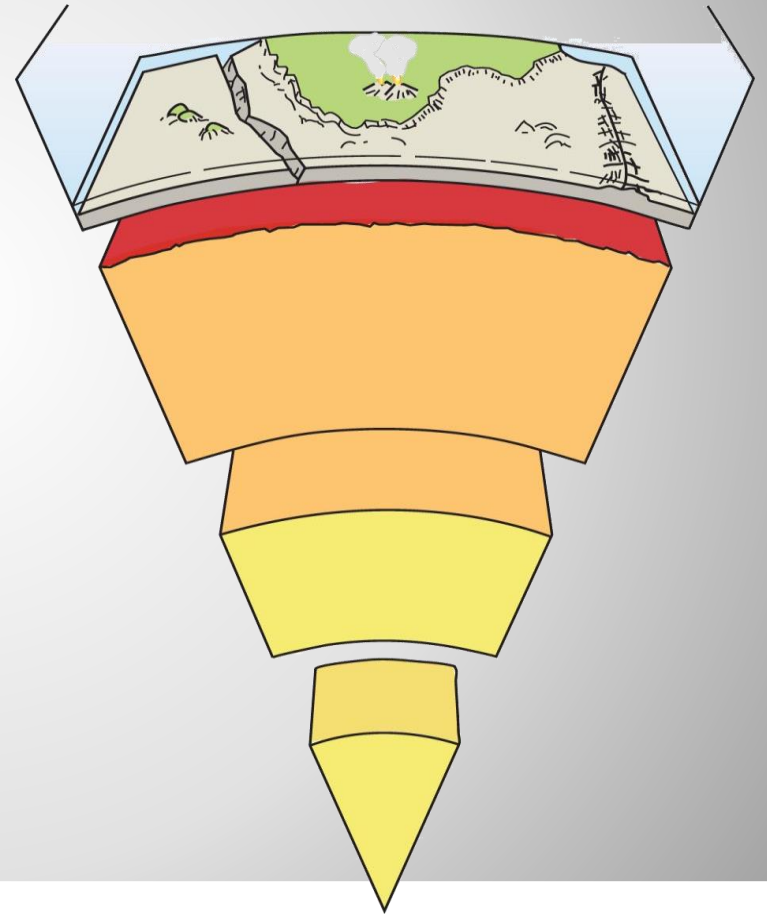
- The **crust** is a solid and is the part of the earth that we live on.
- The **mantle** is a semi liquid, containing molten rock, and is about 2,900 km thick.
- The **outer core** is a liquid. It is also made of metal.
- The **inner core** is a solid. It is made of metal.



Inside the Earth

The layers

- The crust varies between 6 to 64km thick.
- The mantle is 2,900km thick.
- The outer core is 2000km thick.
- The inner core 2,740km thick.





Hi Earthy,
Scientists believe that my insides
are like yours. Can you describe
and explain it to me?



My Best Friend Mars needs to understand.
Draw a labelled diagram to show the
structure of the earth.
Write a paragraph giving detail about each
layer

WWW

Measurements

What made from

Correct spellings

Diagram in pencil and labelled

EBI

Explain (why cooler, why solid)

Full sentences

Correct detail/spellings

Completed work

Peer Assessment



- To understand the structure of the Earth.

You will be able to

- Name the layers of the Earth
- Describe the features of each layer
- Explain how these layers are linked



Lesson Objectives