

Threshold Concepts

Location
Place
Human and Physical
Skills

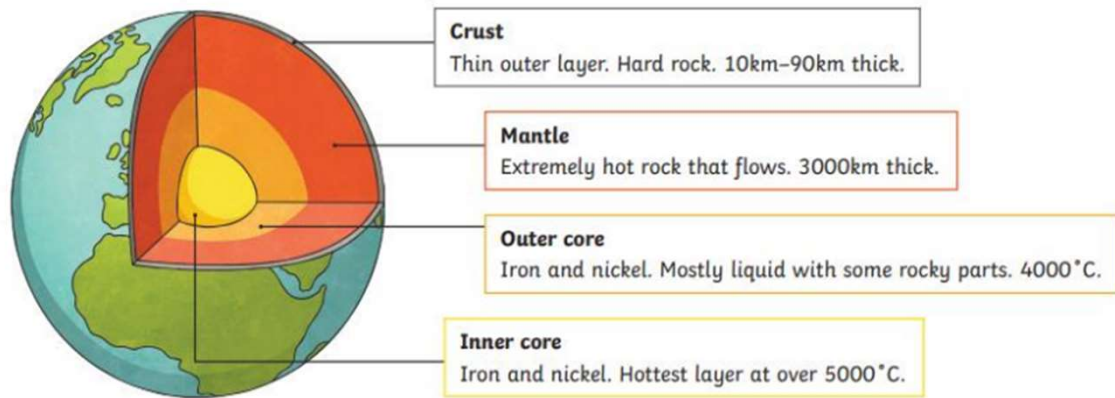
Earthquakes and Volcanoes

(Geography, Lower Key Stage 2, Terms 3 & 4, Cycle A)

Location	Situation	Human features arising from location	Physical features arising from location	Human processes	Physical Processes	Vocabulary	Practical and data collection techniques
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Physical features arising from location

Layers of the earth



Vocabulary

- volcano:** a mountain that erupts hot lava, gases, and ash from inside the earth
- magma:** molten rock beneath the earth's surface that becomes lava when it erupts
- eruption:** when a volcano releases gases, lava, and ash explosively or gradually
- crater:** the bowl-shaped opening at the top of a volcano formed during eruptions
- ash cloud:** a cloud of fine particles of rock and glass created by volcanic eruptions that can travel long distances
- earthquake:** shaking or trembling of the earth caused by sudden movement along tectonic plates
- tectonic plates:** large pieces of the earth's crust that move and interact
- fault line:** a crack or break in the earth's crust where movement occurs
- epicentre:** the point on the earth's surface directly above where an earthquake starts
- seismograph:** a device that detects and measures the strength of earthquakes

Location

Locate key volcanoes on a world map, including Ring of Fire
Locate areas most likely to experience earthquakes

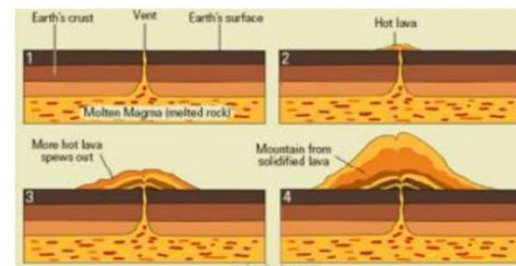
Human features arising from location

How buildings are built to withstand earthquakes
Disaster prevention

Physical processes

How volcanoes are formed:

Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it.



How earthquakes occur:

Earthquakes are caused when the earth's tectonic plates suddenly move.

Practical and data collection techniques

How earthquakes are measured (Mercalli and Richter scales and use of seismograph)

