

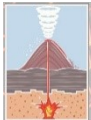


What should I already know?

- Know the names of and locate the seven different continents of the world.
- Know the different climate zones of the world.
- Identify a mountain.

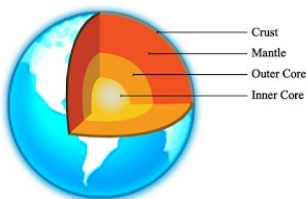
What will I know by the end of the unit?

Can you name a famous volcano?	<ul style="list-style-type: none"> • Mount Vesuvius • Mt Etna • Mount Fuji • Cotopaxi • Mount St Helens • Krakatau
What happens when a volcano erupts?	<ul style="list-style-type: none"> • Firstly, magma rises through cracks in the volcano. • Then, pressure builds up inside the volcano. • The magma then explodes out of the volcano (this is known as lava). • When the lava cools it forms new crust/rock and the volcano becomes bigger.
What are the six different types of volcano?	<ul style="list-style-type: none"> • There are three different shapes of volcanoes, composite, dome and shield. Each of these volcanoes can either be active, dormant or extinct.



Diagrams

Earth's structure



tectonic plates



Vocabulary

ash	particles of rock blown from a volcano
active volcano	a volcano that has erupted in the last 10,000 years
composite volcano	a very tall volcano made from layers of lava
conduit	an underground passage magma travels through
crater	steep sided mouth of a volcano
crust	the outer most layer of the Earth
dome volcano	a small volcano made from ash and rock fragments
dormant volcano	a volcano that hasn't erupted for a while but could erupt again
Earth's surface	is made up of land or sea
erupt	become active and eject lava
extinct volcano	a volcano that has not erupted for 10,000 years and will not erupt again
fertile soil	has the ability to sustain plant growth
flank	the side of a volcano
geothermal energy	heat energy generated and stored under the Earth's surface
lava	molten rock that erupts from a volcano
magma	molten rock below the Earth's surface
mantle	a layer of Earth made up of magma
minerals	a solid, naturally occurring inorganic substance
pressure	a continuous physical force exerted
shield volcano	a wide volcano with slow flowing lava
tectonic plate	a massive slab of solid rock making up the Earth's surface
throat	entrance of a volcano that releases lava
tourism	When people travel for pleasure they are called tourists. Tourism is the business of encouraging and supporting tourists.
vent	opening at the Earth's surface

Geographical Skills and Fieldwork

- What four things are released when a volcano erupts?
- Can you label the different parts of a volcano?
- Can you name a type of eruption and explain it?
- In which three ways can **tectonic plates** move?
- What is the difference between a volcanic and non-volcanic area?