

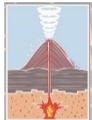


**What should I already know?**

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

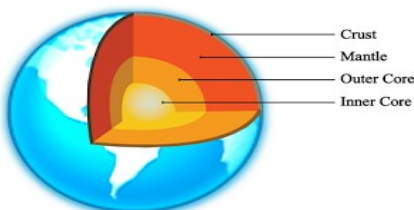


**Vocabulary**

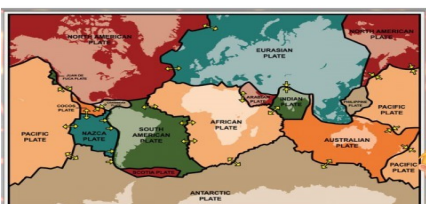
ash	particles of rock blown from a volcano
active volcano	a volcano that has erupted in the last 10,000 years
composite volcano	a very tall volcano made from layers of <b>lava</b>
crater	steep sided mouth of a volcano
crust	the outer most layer of the Earth
dome volcano	a small volcano made from <b>ash</b> and rock fragments
dormant volcano	a volcano that hasn't erupted for a while but could <b>erupt</b> again
Earth's surface	is made up of land or sea
erupt	become active and eject <b>lava</b>
extinct volcano	a volcano that has not erupted for 10,000 years and will not <b>erupt</b> 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 <b>Earth's surface</b>
lava	molten rock that erupts from a volcano
magma	molten rock below the <b>Earth's surface</b>
mantle	a layer of Earth made up of <b>magma</b>
metamorphic rock	rocks that have changed shape due to intense heat or pressure
minerals	a solid, naturally occurring substance formed by the Earth
pressure	a continuous physical force
shield volcano	a wide volcano with slow flowing <b>lava</b>
tectonic plate	a massive slab of solid rock making up the <b>Earth's surface</b>
tourism	When people travel for pleasure they are called tourists. <b>Tourism</b> is the business of encouraging and supporting tourists.
vent	opening at the <b>Earth's surface</b>

**Diagrams**

Earth's structure



tectonic plates



**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?