

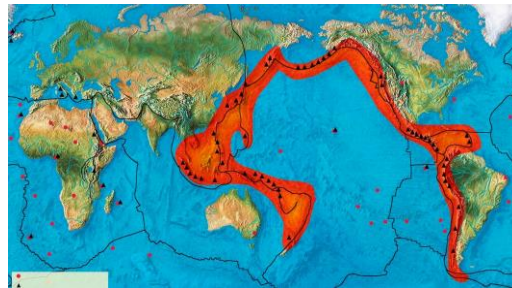
What is the earth made of?

Earth has three layers;

1. The earth's crust is made of solid rocks and minerals.
2. The mantle is beneath the crust and is also mostly solid rocks, minerals and some semi-solid magma.
3. The outer core which is liquid
4. The inner core which is solid



Y3 Geography Volcanoes

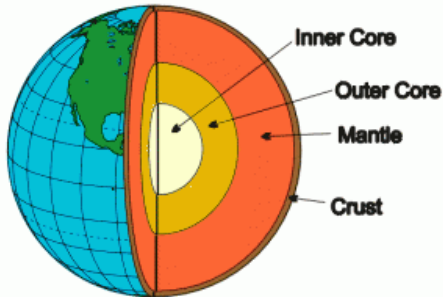
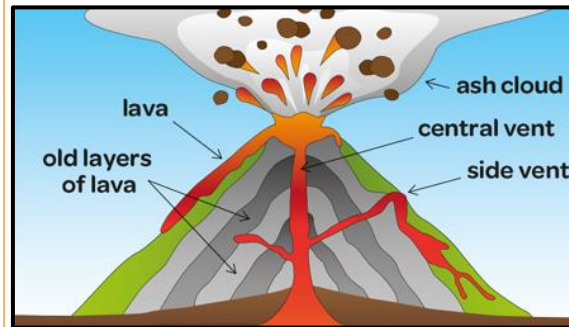


Where do volcanoes occur?

Many volcanoes can be found around the Pacific Ring of Fire including the Galapagos islands, Japan, Eastern Russia and the Philippines which are located around the edge of the Pacific Ocean.

How do volcanoes form?

The volcanoes are formed when magma rises up through earth's crust. The magma cools and solidifies. It builds up to form huge cone shaped hills.



What impact do volcanoes have on people's lives?

Volcanoes have a large effect on their locality and can even affect global climates. The effects of volcanoes can be both positive and negative:

Positive effects

- Geothermal energy is where heat from within the Earth is used to generate electricity.
- Ash ejected by the volcano acts as a good fertiliser for soils.
- Volcanoes attract many tourists, who enjoy the dramatic scenery that they produce.
- Rising magma brings valuable minerals to the surface, creating mining opportunities.

Negative effects

- Volcanoes are dangerous. They can kill people and damage property.
- Economic activity can suffer as it is hard for businesses and transport to operate after an eruption.
- Habitats and landscapes are damaged by lava flows.

Key vocabulary

volcano	When magma rises up through the Earth's crust it cools and solidifies to form huge cone shaped hills.
active	A volcano which is erupting regularly
dormant	Not active at the moment
Extinct volcano	A volcano which erupted thousands of year ago and will probably never erupt again
Earth's crust	The outermost layer of our planet, a thin shell that surrounds the entire Earth
lava	Hot, liquified rock that flows from a volcano
magma	Molten rock that is found below the earth's surface
mantle	is beneath the crust and is mostly solid rocks, minerals and some semi-solid magma.
Tectonic plate	The earth is made of different rocky sections, which fit together like a jigsaw puzzle