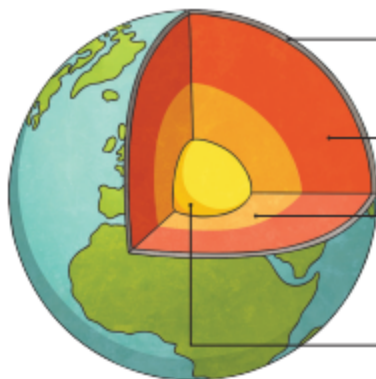




# Knowledge Organiser for Year 3 Geography: Volcanoes and Earthquakes

## Layers of Earth



### Crust

Thin outer layer. Hard rock. 10km–90km thick.

### Mantle

Extremely hot rock that flows. 3000km thick.

### Outer core

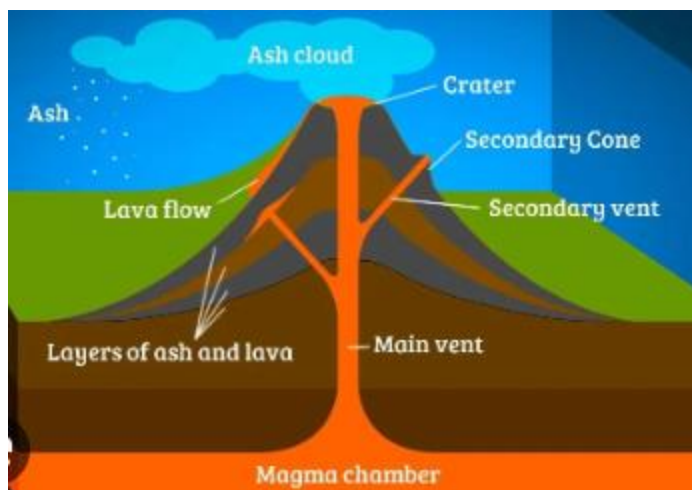
Iron and nickel. Mostly liquid with some rocky parts. 4000°C.

### Inner core

Iron and nickel. Hottest layer at over 5000°C.

## Key Tier 3 vocabulary

Erupt	To suddenly burst out, causing lava to explode out of the Earth's crust
Magma	Extremely hot liquid rock
Crater	The bowl shaped opening of a Volcano
Tectonic plates	Large areas of the Earth's crust which fit together.
Active	Volcanoes which have erupted in the last 10,000 years
Dormant	Volcanoes which haven't erupted in the last 10,000 years but may again.
Extinct	Volcanoes which are not expected to erupt again



## Earthquakes

- Earthquakes are caused when the earth's **tectonic plates** suddenly move.
- Most earthquakes occur near the **tectonic plate** boundaries.
- Earthquakes can cause lots of damage to roads, buildings and property.

