

# Year 3 - Volcanoes

## Key Vocabulary

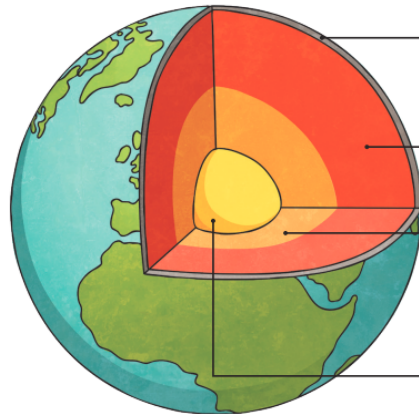
- magma** - extremely hot, liquid rock.
- tectonic plates** - the earth's crust is made up of large areas called tectonic plates that join together.
- friction** - the resistance created when one surface rubs against another.
- vent** - opening in the surface of the Earth through which volcanic materials
- crater** - the mouth of a volcano
- conduit** - an underground passage which magma travels through.

## Volcanoes

- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing **magma** to sometimes **erupt** through it.
- Active volcanoes have **erupted** in the last 10 000 years.
- Dormant volcanoes haven't **erupted** in the last 10 000 years but may erupt again.
- Extinct volcanoes aren't expected to **erupt** again.



## 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.