

I already know...

the names of continents and oceans
what a natural disaster is
what the equator is



Vocabulary

crust - the outermost layer of planet Earth

mantle - Earth's molten layer under the crust

tectonic plates - large slabs of rock that fit together to make the Earth's crust

plate boundary - places where tectonic plates meet with another plate

convergent boundary - two tectonic plates moving towards each other

divergent boundary - two tectonic plates moving away from each other

volcano - a hole in the Earth's crust

erupt - to release gases, rocks and/or lava, sometimes explosively

magma - molten rock beneath the Earth's crust

lava - molten rock that has reached the surface

extinct - a volcano that will not erupt again

dormant - a volcano that hasn't erupted recently, but might again in future

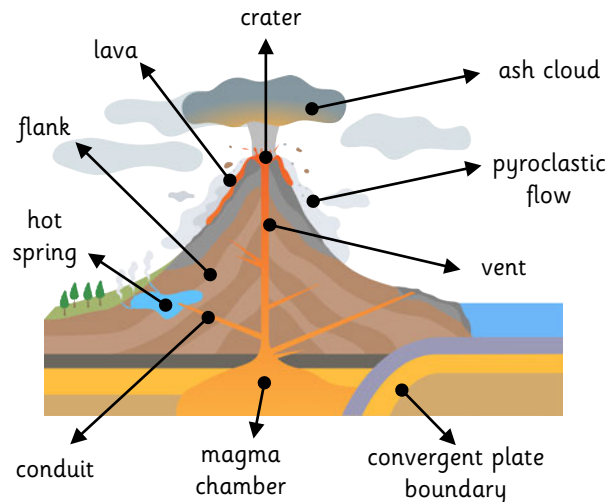
active - a volcano that has erupted recently, and is expected to erupt again in the future

shield volcano - gentle-sloped volcano that releases runny lava

composite volcano - steep, cone-shaped volcano that releases thick lava



Physical Processes



Geographical skills



Imaginary horizontal lines around our planet are called **latitude** lines.

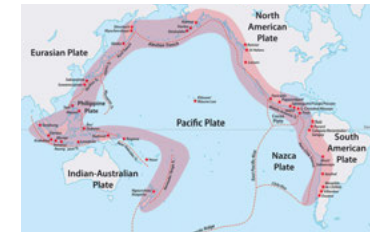
They tell us how far north or south of the **equator** a location is. Latitude is measured in degrees.

The **equator** has a latitude of 0°.

Key information



- Volcanoes are mainly found on divergent or convergent plate boundaries.
- The most active volcanoes are found around the **ring of fire**:
 - The ring of fire is found around the Pacific tectonic plate and has frequent volcanic eruptions and earthquakes as the tectonic plates shift and move.
- People choose to live near volcanoes for many different reasons, including tourism, fertile land, geothermal energy and mining.
- Volcanic eruptions are dangerous and people and governments need to have prepared plans and procedures to make sure people are kept safe.



Key questions



- How are volcanoes formed?
- Where are volcanoes?
- What happens when a volcano erupts?
- Who lives near a volcano?
- How are volcanic areas similar to the UK?