



## Y3 Knowledge Organiser – Volcanoes and Earthquakes

### What will we be learning?

- The structure of the Earth.
- Features of a volcano.
- Famous volcanoes and earthquakes.
- Effects of volcanoes and earthquakes.
- Preparing for an earthquake.
- What it's like living near a volcano.

### Key facts

Volcanoes are openings in the Earth's surface.

Volcanoes are usually located where tectonic plates meet.

Volcanoes can be Active, Dormant or Extinct.

Earthquakes are measured using the Richter scale.

Earthquakes can cause huge waves in the ocean called tsunamis.

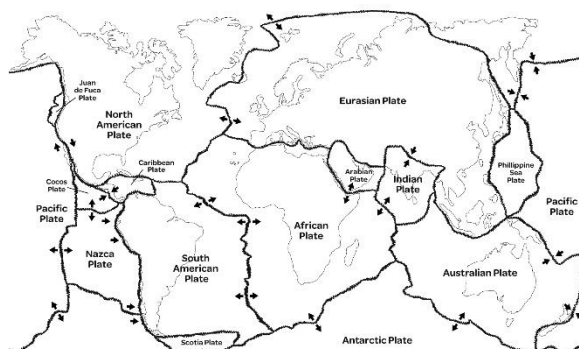
### Key knowledge

The Earth is made up of layers. The top layer, the Earth's crust, consists of large slabs of rocks, called plates.

The plates move as the hot mantle flows beneath them. The movement of the plates causes earthquakes and leads to volcanoes erupting.

Earthquakes are measured on the Richter scale, They can cause devastating damage to buildings, roads and land.

When volcanoes erupt they spew out lava. This is a very hot liquid that destroy anything in its path.



Place names	Geographical terms and processes	Locational terms
Great African Rift Valley Haiti Iceland Japan Mauna Loa Pacific Ring of Fire	crater disaster dormant eruption magma tsunami	epicentre plate boundary

### Glossary

**dormant:** *a dormant volcano is a volcano, like Kilimanjaro, that has not erupted for a long time*

**epicentre:** *where an earthquake starts and is felt most strongly*

**tsunami:** *a huge, powerful wave caused by an earthquake*