

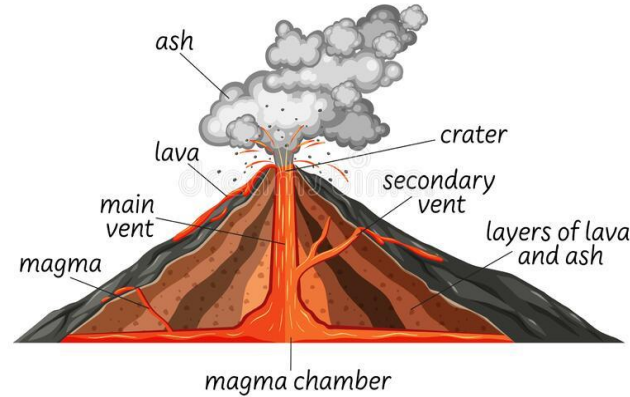
What makes the Earth Angry?

Knowledge Organiser Mat

Subject Specific Vocabulary

eruption	An explosion of steam or lava from a volcano.
aftershock	A shaking event that follows an earthquake. Sometimes more damaging than the original earthquake.
tectonic plates	The Earth's outer shell is made up of huge slabs of moving rock called tectonic plates
magma	Hot fluid or semi-fluid material below or within the Earth's crust from which lava is formed.
lava	Hot, molten or semi-fluid rock erupted from a volcano, or solid rock, resulting from cooling of this.
dormant	A dormant volcano is an active volcano that has not erupted in the past 10,000 years.
fault	Fractures in the Earth's crust where rocks on either side of the crack have slid past each other.
magnitude	If you talk about the magnitude of something, you are talking about its great size.
igneous	A rock formed when Magma breaks through the earth's crust and cools
sedimentary	Sedimentary rocks are usually made up of pieces of rock that have been layered, pressed and cemented together
metamorphic	A metamorphic rock is created when a pre-existing rock. The original rock is subjected to very high heat and pressure, which cause changes.

Parts of a Volcano



Exciting Books



Sticky Knowledge about natural disasters

- ❑ **Volcanoes** are caused when magma rises to the surface of the Earth, which causes bubbles of gas to appear in it. This gas can cause pressure to build up beneath the surface, and it eventually explodes.
- ❑ **Earthquakes** are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake.
- ❑ **Ring of Fire!** The ring of fire is a chain of volcanoes surrounding the Pacific Ocean tectonic plates. The volcanoes frequently erupt in fiery explosions. As the Pacific Plate and the plates around it grind into each other, they cause earthquakes and volcanoes.

More Fun Facts:

- Did you know that volcanoes are also under water? There are lots of volcanoes under the oceans that erupt too!
- Hawaii's **Mauna Loa**—the world's largest active volcano—has been quiet for the past 40 years. B in November 2022, the volcano began to stir.