

# Year 3 Knowledge Organiser – Does our planet cause destruction?

## Key Vocabulary

Eruption	An explosion of steam or lava from a volcano.
Aftershock	A shaking event that follows an earthquake.
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 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
Landslide	A collapse of a mass of earth or rock from a mountain or cliff
Tectonic plates	The Earth's outer shell is made up of huge slabs of moving rock called tectonic plates.



## Sticky Knowledge

- The Earth has 4 layers: The Crust, The Mantle, The Outer Core and the Inner Core.
- Volcanoes are caused when magma rises to the surface of the Earth, which causes bubbles of gas. This gas causes pressure in the mountain, and it eventually explodes.
- Volcanoes have a magma chamber, conduit, sill, vent, throat, crater, lava, ash, ash cloud and parasitic cones.
- Volcanoes are classified as active, dormant or extinct.
- The soil near volcanoes is said to be rich and fertile.
- Earthquakes are usually caused when rock underground suddenly breaks along a fault.

## The biggest volcano on Earth

- The largest volcano on Earth is Mauna Loa in Hawaii.



## Pompeii

