

Year 3 Knowledge Organiser- Natural Disasters

Key Question: What makes a natural disaster natural?

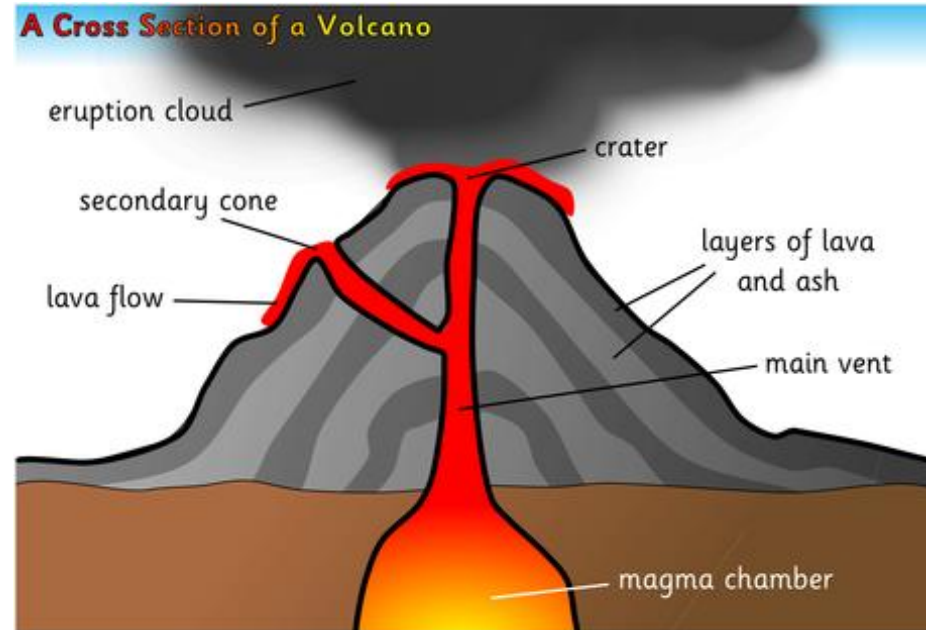
Key Vocabulary

Magma	Molten rock below the Earth's surface
Lava	The liquid rock that is outside the volcano
Conduit	The main vent in the centre of the volcano
Epicentre	The area on the surface, above the point the earthquake took place
Tectonic plate	Solid land pieces that sit on top of the magma
Active	A volcano that has erupted recently and is likely to erupt again
Dormant	A volcano that has not erupted for a long time but may still erupt again
Extinct	A volcano which last erupted thousands of years ago and will probably not erupt again



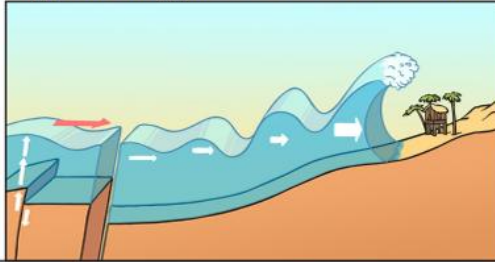
Most Famous Volcanos

<u>Name</u>	<u>Location</u>	<u>Type</u>
Mauna Loa	Hawaii, USA	Active Last eruption 2022
Mount Etna	Sicily, Italy	Very Active! Last eruption June 2025
Eyjafjallajokull	Southern Iceland	Active Last erupted 2010
Mount St Helens	Washington State, USA	Active eruptions between 2004-2008
Mount Vesuvius	Naples, Italy	Dormant Last erupted 1944



Tsunamis

- A tsunami is a giant wave caused by a huge earthquake under the ocean.
- The earthquake causes a large amount of water to be displaced very quickly causing a series of waves.
- As the waves travel through shallower water near land, they get bigger and bigger. The wave crashes onto the land causing devastation to buildings and sometimes even lives.



Earthquakes

- Earthquakes are caused when the earth's **tectonic plates** suddenly move.
- Most earthquakes occur near the **tectonic plate boundaries**.
- Earthquakes can cause lots of damage to roads, buildings and property.



Hurricane



Tornado



Flood



Drought



The Ring of Fire

The Pacific Ring of Fire is an area that circles the Pacific Ocean. It has 452 volcanoes. As well as volcanic eruptions, 90% of the world's earthquakes happen along the Ring of Fire.

