

# Geography: Volcanoes - What Makes the Earth Angry?

## Key Vocabulary:

Volcano	A volcano is a mountain or hill with an opening in the Earth's surface where magma, or molten rock can erupt
Eruption	Expulsion of gases, rock fragments and or molten lava from within the Earth through a vent onto the Earth's surface or into the atmosphere
Tectonic plates	Large, rigid pieces of the Earth's crust and upper mantle that move causing earthquakes and volcanoes
Magnitude	Unit of measure that is used to specify to size or intensity of an event
Infrastructure	Refers to the basic physical systems and facilities that are essential for a place or region to function such as roads, bridges, water and electricity supplies and communication networks



## Sticky Knowledge Facts:

- Mount Vesuvius in Italy famously destroyed Pompeii, Mauna Loa in Hawaii is the world's largest volcano, and Krakatoa in Indonesia erupted with a sound heard around the world
- When a volcano erupts, it can be dangerous. Flowing lava can reach up to 1250 degrees celsius burning everything in its path such as homes and habitats. However, it can also create fertile land with nutrient-rich soil which is good for growing crops
- An earthquake happens when the plates move in different directions. The friction this creates causes energy to build up. When the energy is released this creates a shock wave known as an earthquake
- A tsunami is a series of powerful waves often caused by volcanic eruptions that can travel across oceans and cause devastating damage to coastal areas
- Floods occur when a large amount of water moves or spreads beyond its normal boundary such as a river bursting its banks or the sea overflowing onto the land
- Flooding can cause loss of life, damage to property, destruction of habitats and pollution of water sources. It can also bring benefits such as water recharge and fertile soil

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