



Knowledge Organiser



Key Vocabulary

Volcano	A mountain or hill that has a crater or vent through which lava, rock and gas have erupted.
Active	A volcano that has erupted in the past and is considered likely to erupt again in the future.
Dormant	A volcano that has not erupted for a long time but there is a possibility that it will erupt in the future.
Extinct	A volcano that has erupted a long time ago and there's almost no possibility of it erupting again.
Erupt	To send out lava, rocks, and ash in a sudden explosion.
Magma	Molten, or hot liquefied, rock located deep below the Earth's surface.
Lava	Molten, or hot liquefied, rock that has erupted from a volcano and that forms igneous rock.
Crater	The bowl-shaped dip at the top of a volcano created by the eruption.
Tsunami	A large wave created by an earthquake or an underwater volcanic eruption
Plate Tectonics	Plates of rock that make up the Earth's crust and move to cause earthquakes and volcanic eruptions.

General Knowledge:

How are volcanoes formed?

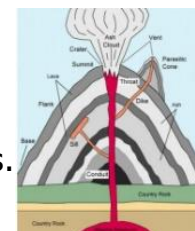
👉 Magma rises through cracks or weaknesses in the Earth's crust.

👉 Pressure builds up inside the Earth.

👉 When this pressure is released, e.g. as a result of plate movement, magma explodes to the surface causing a volcanic eruption.

👉 The lava from the eruption cools to form new crust.

👉 Over time, after several eruptions, the rock builds up and a volcano forms.



Famous Volcanoes:

👉 Mount Vesuvius, near Naples, Italy

👉 Krakatoa, Indonesia

👉 Mount St. Helens, Washington, USA

👉 Mount Tambora, Indonesia

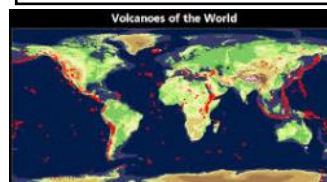
👉 Mauna Loa, Hawaii

👉 Eyjafjallajökull, Iceland

👉 Mount Pelée, Martinique, Caribbean

Useful websites:

- 1) www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc
- 2) <http://www.onegeology.org/extra/kids/volcanoes.html>



Recommended Reads:

- 1) Escape From Pompeii
- 2) Collins Earthquakes and Volcanoes Fascinating Facts