

Finn's Volcanic Expedition: Geography Flashcards

Learning objective: To understand the physical processes of volcanoes, including their structure, formation, and global distribution.

Use these flashcards to test your knowledge of volcanoes. Finn the dolphin has travelled the world's oceans to map these fiery mountains—can you match his expertise?

What is the difference between magma and lava?

Magma is molten rock found beneath the Earth's surface, while lava is molten rock that has erupted onto the surface.

What is a tectonic plate?

A massive, irregularly shaped slab of solid rock that makes up the Earth's outer shell and moves slowly over the mantle.

Define a 'vent' in a volcano.

The central opening through which volcanic material, such as lava and gas, is ejected during an eruption.

What is the 'Ring of Fire'?

A major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur.

Explain the term 'Dormant' volcano.

A volcano that is currently quiet but has the potential to erupt again in the future.

What is an 'Extinct' volcano?

A volcano that is unlikely to erupt ever again because it no longer has a supply of magma.

What is a volcanic crater?

A bowl-shaped depression at the top of a volcano caused by an eruption.

Describe an 'Active' volcano.

A volcano that has erupted recently or is expected to erupt soon.

Where does most volcanic activity occur?

Most volcanic activity occurs along the boundaries of tectonic plates.

What is the Earth's crust?

The thin, outermost layer of the Earth upon which we live.

Why do volcanoes erupt?

Pressure builds up deep underground from gases and molten rock, forcing the magma to rise through weaknesses in the Earth's crust.

What is a volcanic bomb?

A mass of molten rock larger than 64mm in diameter, formed when a volcano ejects viscous fragments of lava during an eruption.