

DID YOU KNOW?

Key Knowledge

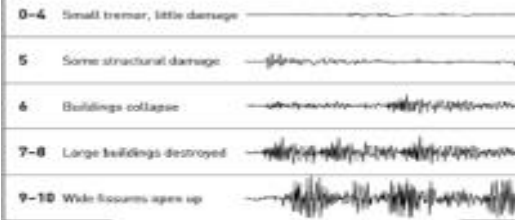
Volcanoes

About 1,900 volcanoes on Earth are considered active, meaning they show some level of activity and are likely to explode again. Volcanoes are studied by volcanologists. There are only two places where volcanoes can be found: On the edges of the Earth's plates and over a hot spot beneath the Earth's crust
Important volcanoes from history: Mount Vesuvius, Mount Fuji and Krakatoa

DIAGRAM



Richter Scale



The Richter scale

Key Vocabulary

volcano	H mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapour, and gas are or have been erupted from the earth's crust.
ocean	A very large body of salt water
eruption	Explosion, volcanic eruption
lava	Hot molten or semi-fluid rock erupted from a volcano
ash	The powdery residue left after the burning of a substance
magma	Hot fluid or semi-fluid material below or within the earth's crust from which lava and other igneous rock is formed on cooling
mountain	A land mass with great height and steep sides that is higher than a hill.
equator	The imaginary circle around the earth that is halfway between the North and South Poles.
active volcanoes	An active volcano is a volcano that has had at least one eruption during the past 10,000 years
map	A picture of a particular area drawn or printed to scale
continent	One of the earth's seven major areas of land.
physical features	Naturally-created features of the Earth
human features	Modifications people have made to the land.
earthquake	A sudden violent shaking of the ground, typically causing great destruction,
The Richter Scale	A measure of the strength of the waves or tremors of an earthquake
Tectonic plates	The earth is divided into a small number of plates which float on and travel independently over the mantle

Facts

1. Magma rises through cracks or weaknesses in the Earth's crust.
2. Pressure builds up inside the Earth.
3. When this pressure is released, e.g. as a result of plate movement, magma explodes to the surface causing a volcanic eruption.
4. The lava from the eruption cools to form new crust.
5. Over time, after several eruptions, the rock builds up and a volcano forms.

Year 3 Knowledge Organiser Volcanoes

DIAGRAMS

