Learning Intention: As a Geographer I can explain the importance and significance of volcanoes and earthquakes.

Earthquakes

Volcanoes

• 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.

sometimes erupt through it.

Dormant volcanoes haven't

the last 10 000 years.

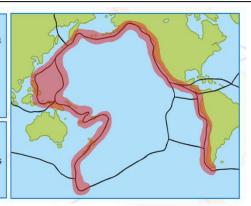
Active volcanoes have erupted in

erupted in the last 10 000 years



The Ring of Fire is a horseshoe-shaped line on a map which is home to around 75% of the world's volcanoes and 90% of the world's earthquakes.

The area is a 25 000 mile line of volcanoes, tremors and earthquakes around the edge of the Pacific Ocean.



The Three Stages of Volcanoes

Scientists have placed volcanoes in to three different categories

Active

An active volcano is one that has erupted recently, and there is the possibility that it may erupt again.

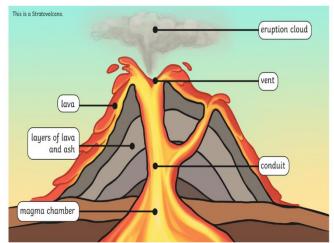
Dormant

A dormant volcano is one that has not erupted for a long time, however, it may still erupt in the future.

Extinct

An extinct volcano is one which has erupted thousands of years ago, but it will probably never erupt again.

A Cross-Section of a Volcano



Vocabulary to use ...

Earthquake
Volcano
Tectonic plate
Erupt
Magma
Erupt
Cumulonimbus cloud
Ring of fire
Active
Dormant
Extinct
Richter scale
Magnitude

but may erupt again. Extinct volcanoes aren't expected to erupt again.

· Volcanoes are made when pressure builds up inside the

earth. This affects the earth's crust causing magma to

