

Key Vocabulary:

Active volcano: A volcano currently erupting or likely to erupt soon

Climate change: A change in the Earth's temperature, weather and rainfall over a long time.

Composite volcano: An explosive, steep sided volcano

Crust: The outer layer of the Earth where all life is

Dormant volcano: A volcano that may erupt again but has not erupted for a while.

Earthquake: A shaking of the ground caused by moving tectonic plates.

Epicentre: The place on the Earth's surface where an earthquake first happens.

Extinct volcano: A volcano that has not erupted in 10,000 years and is not expected to again.

Fault line: A crack in the Earth where earthquakes are most likely to happen.

Fault-block Mountain: A mountain formed by land sinking along cracks in the Earth's surface.

Fold Mountain: A mountain create when two tectonic plates are pushed together

Geothermal energy: Energy created by the steam from a volcano.

Inner core: The centre and hottest part of the Earth

Outer core: The layer of the Earth that covers the inner core

Magma: Molten rock in the mantle layer

Magma chamber: An area filled with magma underneath a volcano

Mantle: A layer of earth underneath the crust made of molten rock (magma)

Plate boundary: Where two tectonic plates meet

Pyroclastic flow: Rock, ash and gas that come out of a volcano and flow down the sides

Seismic waves: Waves of energy that move outwards and cause the ground to shake

Shield volcano: A less-explosive, gently sloping volcano

Tectonic plate: A piece of the crust layer

Tsunami Large, dangerous waves caused by earthquakes.

Vent: The column inside a volcano in which magma flows

Volcanic mountain: A mountain created when magma finds its way through a gap between two tectonic plates, erupts and hardens



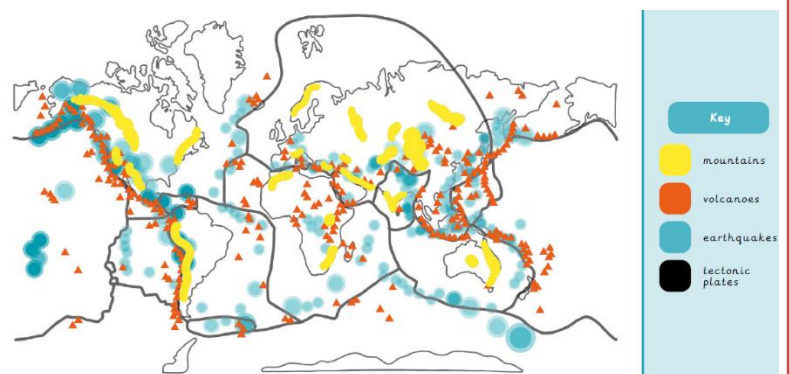
Holy Family Halewood Year 3/4 Geography Why do people live near volcanoes?



Learning Objectives

- How is the Earth constructed?
- Where are mountains found?
- Why and where do we get volcanoes?
- What are the effects of a volcanic eruption?
- What are earthquakes and where do we get them?

Map of mountains, volcanoes and earthquakes



Composite Volcano

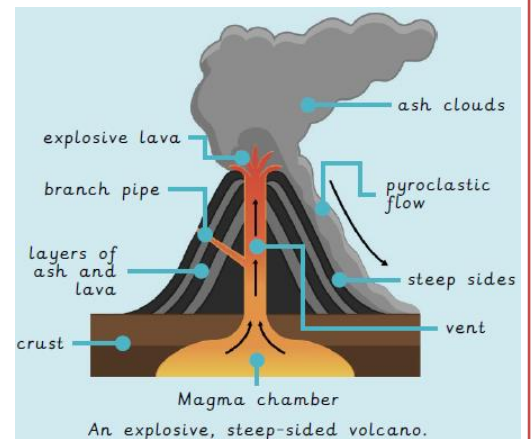


Diagram of an earthquake

