

L.O. I can explain the key features of a volcano and describe the impact of an active volcano using my own research

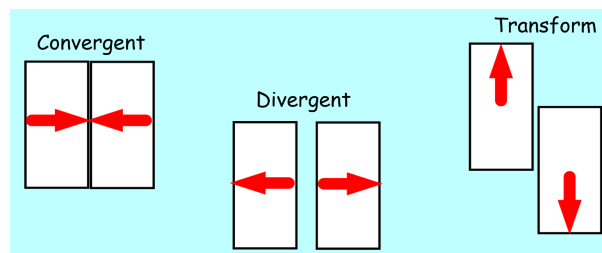


Quick quiz

1. What are tectonic plates?
2. How many main tectonic plates are there? Can you remember any of their names?
3. What are the three types of plate boundaries?

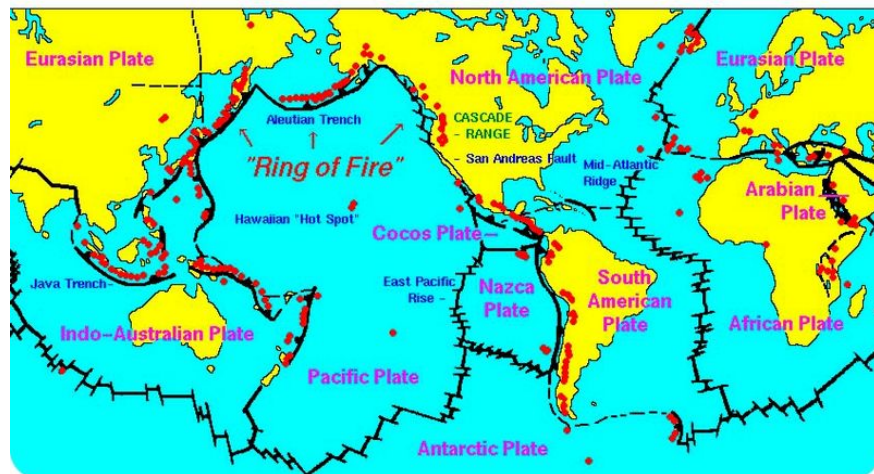
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1. Tectonic plates lie on the Earth's outer layer, deep under the ground we walk on. We can think of them like a jigsaw puzzle covering the earth.
 2. There are seven main tectonic plates which we can think of as the seven key pieces to the Earth's jigsaw puzzle. These are the African, Antarctic, Eurasian, Indo-Australian, North American, Pacific and South American plates. There are also some other smaller plates, called minor and micro plates.
 3. There are convergent, divergent and transform boundaries.



What do you notice about the location of active volcanoes in relation to tectonic plates?

Active Volcanoes, Plate Tectonics, and the "Ring of Fire"



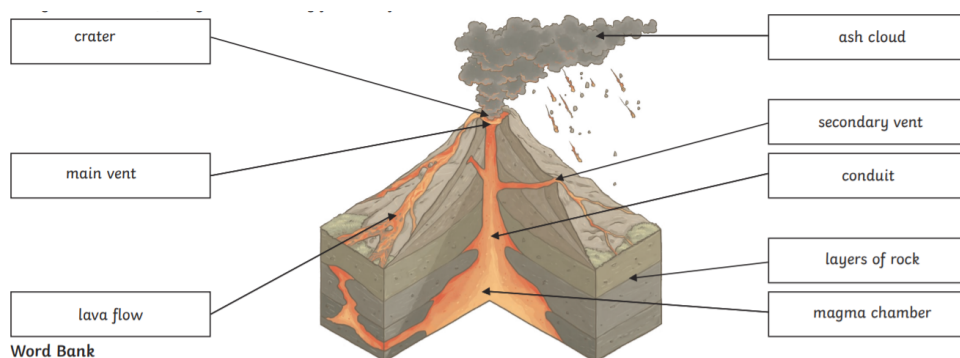
Volcanoes can be classified as either **active, dormant or extinct**, depending on the likelihood they will erupt again.

In the UK, we have no active volcanoes. However, volcanoes have erupted here in the past! Use this map to explore the volcanic history of England.

The link is also on your weekly overview sheet if you would like to explore the map in your own time.



Task One



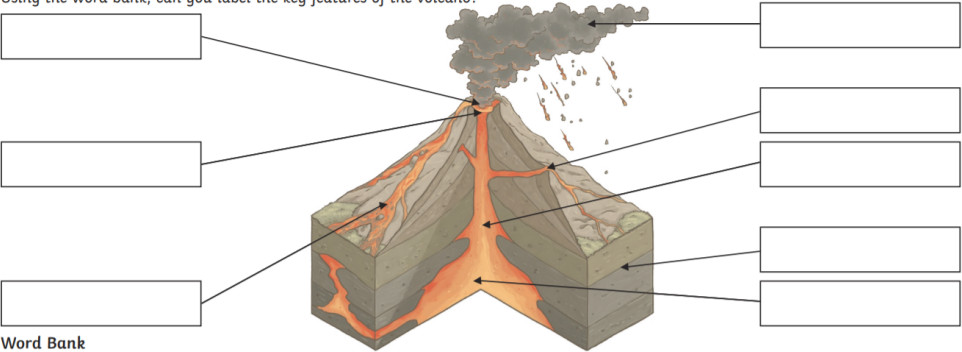
Word Bank

ash cloud The cloud of ash formed above the volcano from the force of the volcanic explosion. The ash can drift in the sky and fall back to earth.	secondary vent Another vent through which the magma and other rocks and gases can flow out.	magma chamber A pool of magma beneath the volcano.	main vent The main vent is the primary opening of the volcano through which the magma and other rocks and gases flow out.
lava flow After erupting, some of the hot lava will flow down the sides of the volcano.	layers of rock The earth's crust is made of several layers of rock.	conduit The underground passage through which the magma flows from the chamber towards the vent.	crater The crater is the mouth of the volcano which surrounds the vent.

Task One

Volcano Labelling Activity

Using the word bank, can you label the key features of the volcano?



Word Bank

ash cloud	secondary vent	magma chamber	main vent
lava flow	layers of rock	conduit	crater

Challenge: Write a definition of each word and add it to the word bank.

Task Two - Independently

Conduct your own research into an active volcano of your choice.

Create a factfile or poster of your research. You **must** include:

- Name
- Location
- Year and impact of most recent eruption

You **should** include an introduction to explain what volcanoes are and how they are formed.

You **could** include a diagram or map to support.

You can use the given fact sheets to help you, but do not copy!