

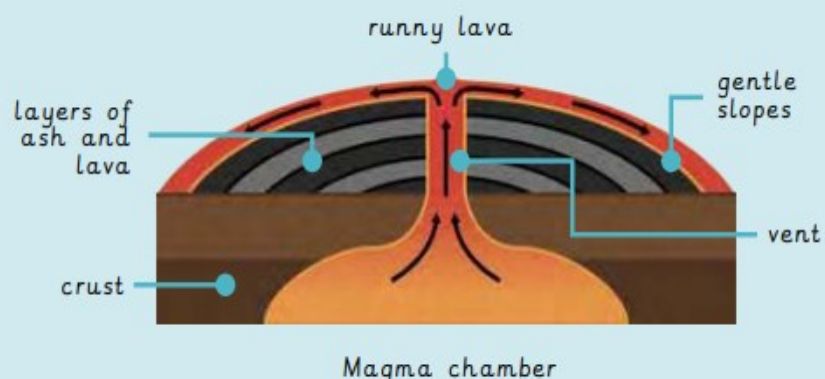
## Geography Overview

The earth is made up of four layers and the crust is divided into tectonic plates. Mountains are formed by the movement of tectonic plates and are found on or near plate boundaries. A volcano is an opening in the Earth's crust where magma escapes. The two types of volcano are: composite and shield. Volcanos can be extinct, active or dormant. An earthquake is the shaking of the ground caused by moving tectonic plates. They happen in similar locations to mountains and volcanoes. There are three main types of rock: igneous, sedimentary and metamorphic.

## Key Vocabulary

active volcano  
climate change  
composite volcano  
crust  
dormant  
volcano  
earthquake  
epicentre  
extinct volcano  
fault line  
fault-block mountain  
fertile soil  
fold mountain  
geothermal energy  
igneous rock

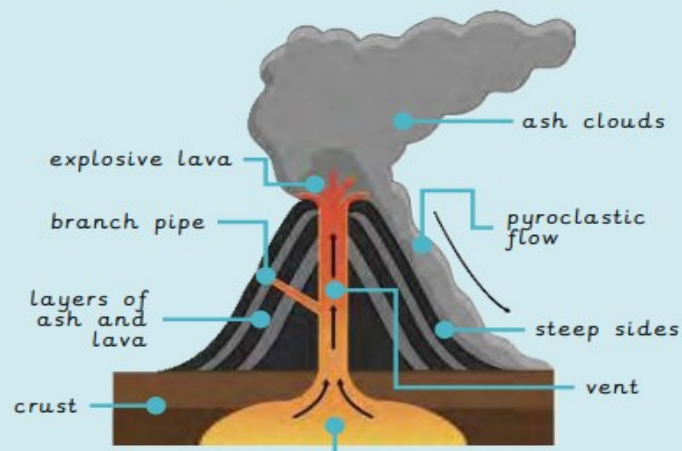
Shield volcano



Magma chamber

A less-explosive, gently sloping volcano.

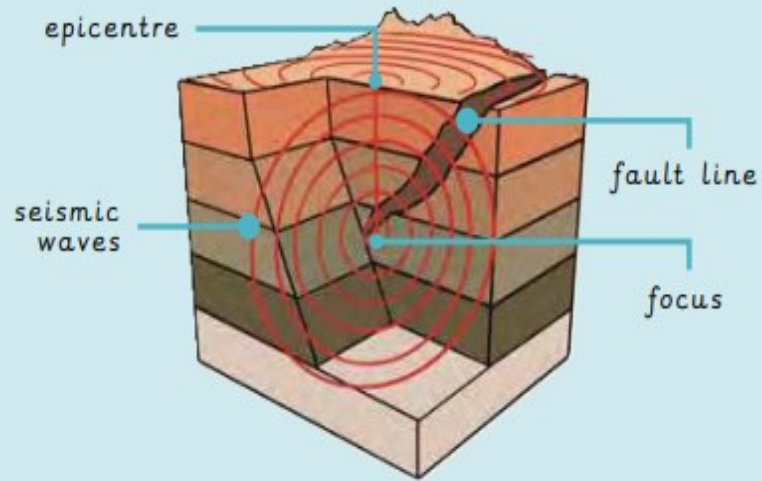
Composite volcano



Magma chamber

An explosive, steep-sided volcano.

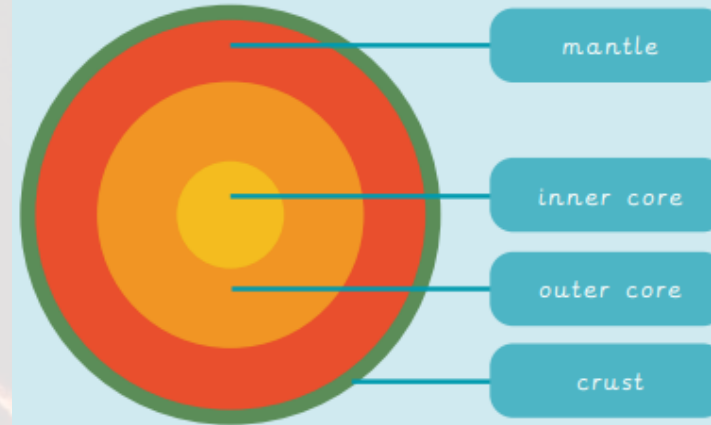
# Why do people live near volcanoes?



## earthquake

A shaking of the ground caused by tectonic plates moving.

## Layers of the earth



## Negative and positive effects of living near a volcano

### Negative

People may be injured or killed.  
Forests and farmland may be destroyed.  
Homes may be destroyed.  
Carbon dioxide emissions contribute to climate change.  
Ash clouds can pollute rivers, killing fish.  
Tsunamis and earthquakes may happen.

### Positive

Rich, fertile soil is created.  
New land is created over time from hardened lava.  
Volcanoes can be beautiful landscapes.  
Hot springs and skin-brightening mud attract tourists.  
Tourism to volcanoes creates jobs for people.  
Geothermal energy from the steam is environmentally friendly.  
Jobs are created mining precious stones made by the volcano.