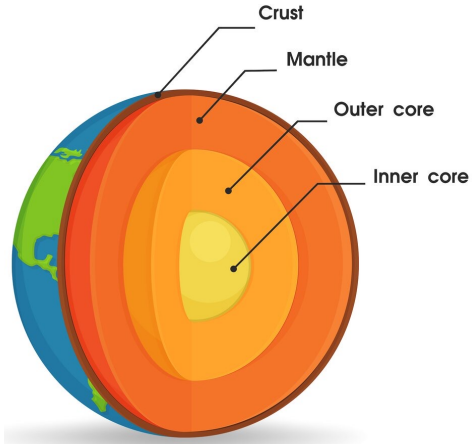


I should already know...

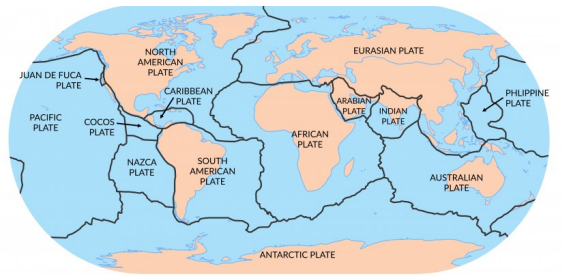
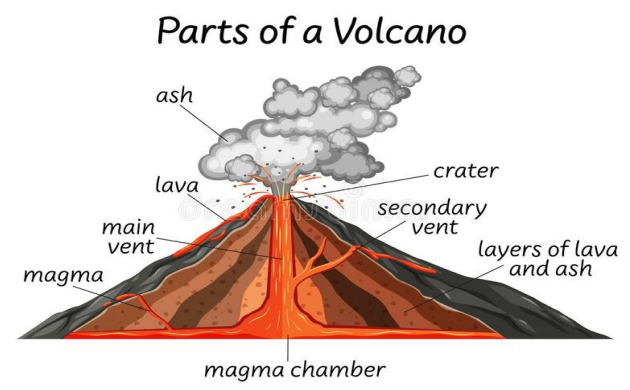
- 1 The names of **all** continents and oceans
- 2 The 3 types of rock; *igneous*, *sedimentary* and *metamorphic* and how they are formed
- 3 About **Human geography** - where people live, what they do and how they use the land
- 4 About **Physical geography** – the study of the Earth’s natural features, such as mountains, rivers, deserts and oceans

By the end of this unit I will:

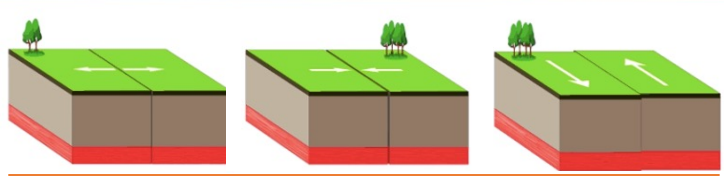
- 1 Understand that the distribution of earthquakes and volcanoes follows a pattern.
- 2 Explain how tectonic plates can cause earthquakes and locate the ‘*ring of fire*’.
- 3 Know the effects of earthquakes and volcanoes on human and physical geography.



Diagrams



Divergent Boundary Convergent Boundary Transform Boundary



People of significance:

Dr Charles Richter	An American seismologist. He is most famous for creating the Richter magnitude scale in 1979, which quantifies the size of earthquakes.
Dr Lucy Jones	A seismologist who developed the first American earthquake drill, the Great Shake Out, in 2008. These drills are now conducted globally in 60 countries.

Key Vocabulary

tectonic plates	large parts of the earth’s crust that are divided into huge slabs that fit together like a jigsaw.
seismic waves	shock waves from an earthquake that travel through the ground.
eruption	when a volcano breaks open and sends out hot, melted rock and ash.
active	a volcano that is known to have erupted in recent times, or which is likely to erupt again. For example, Mount Etna
dormant	a volcano that has erupted in the last 2000 years but not recently. It is inactive but not extinct. It is difficult to decide whether a volcano is dormant or extinct.
extinct	a volcano that is not expected to erupt again. For example, Mount Kenya
economic impact	how it affects people’s lives like housing, food and water
social impact	how it affects jobs and income. For example, will people be richer or poorer?
environmental impact	how it affects the natural environment like water quality and habitats