

Year 8 - Summer Term - Geography: BQ3 Why is Planet Earth so restless?



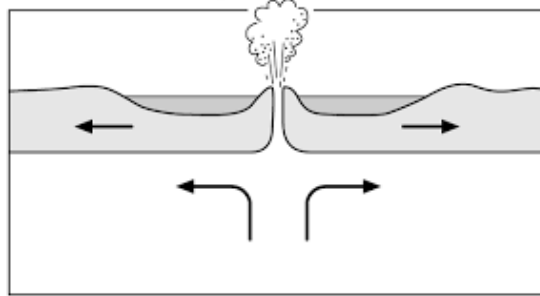
The layers of the Earth

The Earth is made up of 4 main layers; **inner core; outer core; mantle and then crust**. There are 2 types of crust, continental and oceanic.

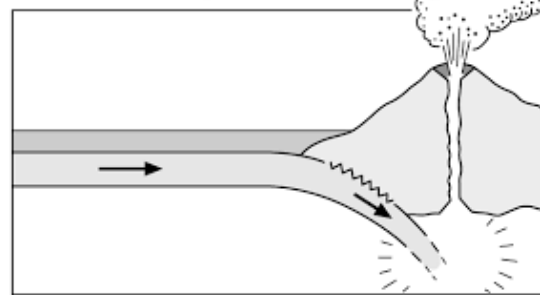
KEYWORDS

Tectonic Plate	These are pieces of the rocky outer layer of the Earth known as the crust.
Continental Drift	The gradual movement of the continents across the earth's surface through geological time.
Convection Current	The rising, spread, and sinking of gas, liquid, or molten material caused by the application of heat
Primary Effect	These occur in the minutes and hours after the natural disaster.
Secondary Effect	Happen because of the primary effect. These occur in the days, weeks and months after the natural disaster.
Earthquake	A sudden violent movement of the Earth's surface.
Focus	The location that the earthquake starts.
Epicentre	The point directly above the focus.
Seismic waves	The waves of energy caused by the earthquake.
Volcano	Openings or cracks in the lithosphere where magma from inside the Earth can escape onto the surface.
Tsunami	A long, high sea wave caused by an earthquake or other disturbance.
Wildfire	Wildfires are uncontrolled fires that occur in nature

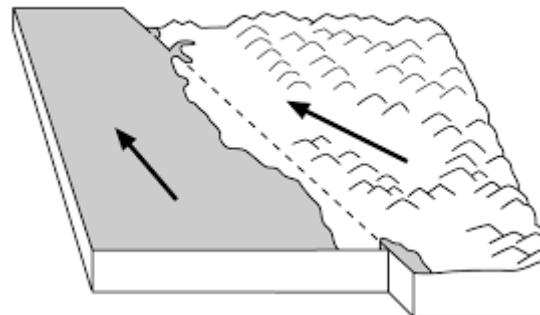
Constructive margin



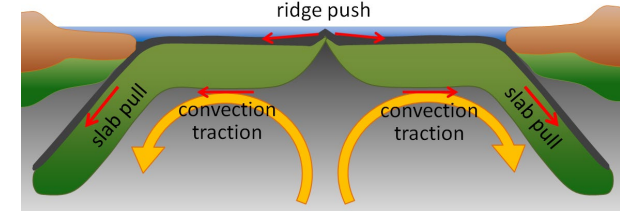
Destructive margin



Conservative margin



Why do plates move?



Convection currents are a current of warmer material; when soft rock is heated from below, the warmer material rises in a convection current

Common misconception

- Earthquakes can be predicted – Currently there are no ways to predict when an earthquake will happen.
- Volcanoes are always explosive. Some volcanoes only erupt lava which can be controlled by digging trenches.
- Natural hazards do not cause damage in HICs – Hazards mainly cause economic damage to HICs, but some can still cause social problems.

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