

I should already know:

Map skills- continents and locational knowledge

I will learn:

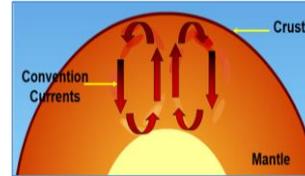
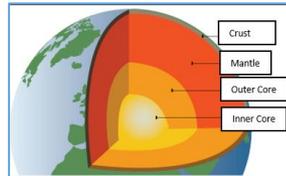
- What is the structure of the earth?
- What are natural hazards?
- How do we calculate the risk of natural hazards?
- Why do they occur?
- Cause and impacts of the Haiti earthquake.
- Cause and impacts of the Montserrat volcanic eruption.
- How can the impact of natural hazards be reduced?

This will help in the future:

Economic and social development topic (Y7)
The challenge of natural hazards (Y9)

Key Words

Natural hazard	A natural process that poses a treat to people and property
Meteorological hazard	A hazard in the atmosphere (hurricane, thunder and lightning, drought)
Hazard risk	The probability that a natural hazard occurs
Layers of the earth	4 layers of the earth – inner core, outer core, mantle and crust
Tectonic plates	The crust is split into several pieces called tectonic plates. They float on the mantle.
Crust	Layer of the earth found under the oceans (oceanic crust – thinner, younger, more dense) or under the land (continental crust – thicker, older less dense)
Convection currents	Circular currents in the mantle that cause tectonic plates to move
Plate boundary/ margin	The line between two plates, also known as a fault line
Subduction zone	The area where a more dense plate moves underneath a less dense plate



Name of plate margin	Movement of plates	Hazards that occur
Destructive	 <small>DESTRUCTIVE PLATE MARGIN</small>	Volcanoes (strong) Earthquakes (strong)
Constructive	 <small>CONSTRUCTIVE PLATE MARGIN</small>	Volcanoes (gentle) Earthquakes (gentle)
Conservative	 <small>CONSERVATIVE PLATE MARGIN</small>	Earthquakes (strong)

Greater Depth Challenge

Investigate a tectonic hazard in a country you are familiar with. For example, what was the cause and impact of the Pakistan earthquake on 25th September 2019

Further Reading

'The challenge of natural hazards' – BBC Bitesize
Natural disasters - Guardian
<https://www.theguardian.com/world/natural-disasters>

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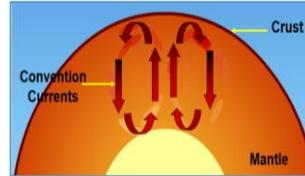
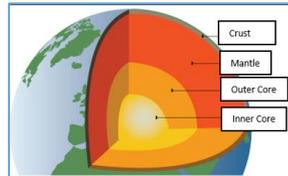
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