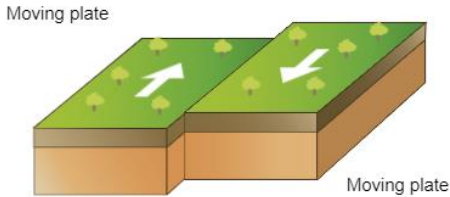
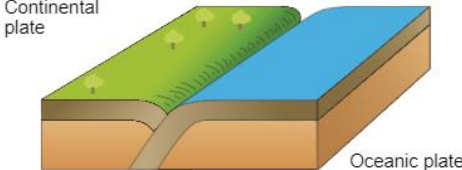
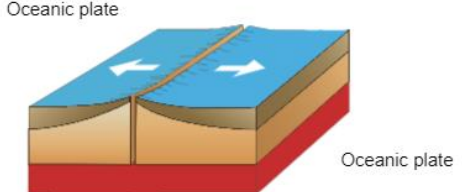


Planet Earth – Natural Disasters Knowledge Organiser

Key knowledge

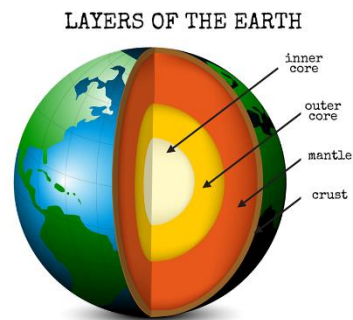
- ✓ A natural disaster is an event that is outside the control of humans. They are caused by forces of nature and may result in loss of life, injury and damage to property.
- ✓ Natural disasters include earthquakes, tsunamis, volcanic eruptions, wildfires and floods.
- ✓ There are four main layers of the earth: inner core, outer core, mantle and crust.
- ✓ Tectonic plates are large pieces of the earth's crust.
- ✓ The Pacific Ring of Fire is where around 75% of the world's volcanoes and 90% of the world's earthquakes occur.
- ✓ Where tectonic plates meet is called a plate boundary. There are three main types of boundaries: transform, convergent, and divergent.

Plate Tectonics		
transform	When two plates move past each other, they create a transform fault. The movement is jerky and can cause earthquakes.	
convergent	When two plates are pushed together, they create a convergent fault. If one plate is oceanic and the other is continental, the edge of the oceanic plate will be pushed down.	
divergent	When two plates move away from each other, they create a divergent boundary. When this happens under oceans, new ocean floor is created.	

The Pacific Ring of Fire



Structure of Earth



Big Questions

What is a natural disaster?

What physical and human impacts do natural disasters have?

How has earth changed over time?

Why is the Pacific Ring of Fire so deadly?

Key vocabulary	
earthquake	The violent movement of part of the Earth's surface.
flood	The covering or submerging of normally dry land with a large amount of water.
lava	Molten rock that flows from volcanos.
natural disaster	An event that is outside the control of humans. They are caused by forces of nature and may result in loss of life, injury and damage to property.
tectonic plates	Large pieces of the Earth's crust (surface).
tsunami	A huge sea wave caused by an underwater earthquake.
volcanic eruption	An opening in the Earth's crust from which lava, ash and hot gases flow or are ejected during an eruption.
wildfire	A large, destructive fire that spreads quickly over woodland or bush.
Northern Hemisphere	The section of the Earth that is north of the Equator.
Southern Hemisphere	The section of the Earth that is south of the Equator.
equator	An imaginary line around the middle of Earth.
longitudes	Longitudes are vertical lines that measure east or west of the meridian in Greenwich, England
latitudes	Latitudes are horizontal lines that measure distance north or south of the equator.