

# Highgate Community Primary School – Year 5 Earthquakes

## Vocabulary

<b>tectonic plates</b>	Large slab of rock, moved by the mantle below them
<b>plate boundary</b>	Where two plates meet.
<b>mantle</b>	Layer below the crust that can move and flow.
<b>continent</b>	Large areas of land that include groups of countries
<b>Richter scale</b>	Used for measuring how severe (bad) an earthquake is.
<b>aftershock</b>	Smaller earthquakes which occur after a large earthquake
<b>ocean</b>	Very large areas of sea on the Earth's surface.
<b>rubble</b>	Pieces of brick, stone, or other materials
<b>aid</b>	Money, equipment, or services provided for people, countries, or organizations in a crisis
<b>survival</b>	Managing to exist despite difficult circumstances.
<b>short-term</b>	Will last for a short time, or things that will have an effect soon
<b>long-term</b>	Continues for a long time or will continue for a long time in the future.
<b>tsunami</b>	A large wave that can be caused by an eruption



Haiti



Nepal



Japan



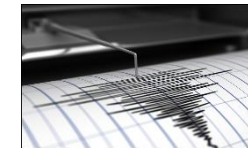
Indian Ocean

## Shelterbox emergency kit

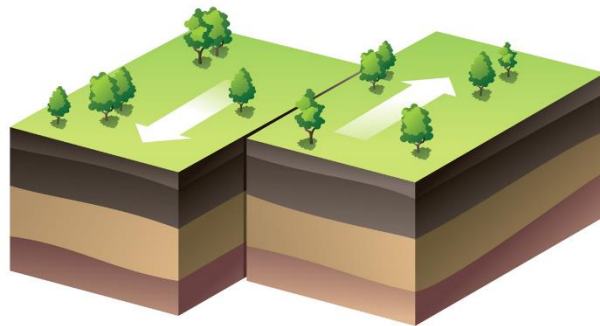


## Key Facts

Know why earthquakes occur  
 Know where famous earthquakes have occurred and know information about them.  
 Know what can be learnt from some famous earthquakes.  
 Know why some earthquakes are bigger than others.  
 Know how earthquakes affect people and places.  
 Know what help people need before and after an earthquake.  
 Know what you could do if an earthquake happened.



## Moving Plates



## Key Knowledge

- The Earth is made up of layers. The top layer, the Earth's crust, consists of large slabs of rocks, called plates. The plates move as the hot mantle flows beneath them. When the tectonic plates move, an earthquake can happen. They can cause devastating damage to buildings, roads and land.
- Earthquakes are measured on the **Richter scale**.
- **Famous recent Earthquakes: Haiti 2010** - Haiti is a country in the Caribbean, North America, measured 7.0 on the Richter scale. **Japan 2011** - Under the sea bed, 70km east of Japan, measured 8.9 on the Richter scale. It created a tsunami. **Nepal 2015** Nepal is in Asia, measured 7.8 on the Richter scale. There was a major aftershock just a few weeks later. **Indian Ocean Boxing Day, 2004** Under the sea bed close to Indonesia, Asia., measured 9.1 on the Richter scale.