

# Extreme Earth - Year 6

## Important Images



## Key Dates, Events and Facts

**ShelterBox** is an international charity that was established in Cornwall in 2000. They provide **emergency shelter and aid** to families around the world who have lost their homes to disaster or conflict.

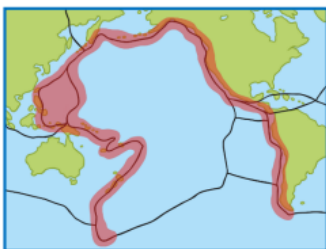


Deadly Natural Disasters:

- 1931 **China Floods** killed between 1 and 4 million people.
- 2010 **Haiti Earthquake** (12th January) killed around 316,000 people.
- 2004 **Indian Ocean Earthquake** (26th December) killed around 280,000 people.

13 countries lie along the **equator**.

The **Pacific Ring of Fire** is a horseshoe-shaped line on a map which is home to around 75% of the world's volcanoes and 90% of the world's earthquakes.



## Vocabulary

**Climate** - a regions weather patterns over a period of time.

**Equator** - an imaginary line exactly in the middle of the Earth dividing the Northern Hemisphere and the Southern Hemisphere.

**Precipitation** - water that falls back to the ground.

**Evaporation** - turning liquid into vapour.

**Condensation** - turning vapour into liquid.

**Drought** - temporary water shortage.

**Lightning** - occurs when parts of clouds become charged.

**Tropical Storm** - typhoons, hurricanes and cyclones that develop in tropical areas of the ocean.

**Typhoon** - tropical storms in the Pacific Ocean.

**Hurricane** - tropical storms in the Atlantic Ocean.

**Cyclone** - tropical storms in the Indian Ocean.

**Tornado** - a spiralling funnel of air which descends from a storm cloud.

**Tectonic plates** - the Earth's crust is made up of these, like a jigsaw.

**Earthquake** - when the Earth's crust (tectonic plates) pull and push against themselves.

**Richter Scale** - used to measure the strength of an earthquake.

**Tsunami** - a large ocean wave. The name comes from the Japanese 'tsu' meaning harbour and 'nami' meaning wave.

**Volcano** - an opening in the Earth's crust that allows magma, hot ash and gases to escape.

## Extreme Earth - Year 6 Quiz

	Question	A	B	C	D
1.	When did the 2004 Indian Ocean Earthquake happen?	Christmas Day	Boxing Day	New Years Day	15 <sup>th</sup> July
2.	What is the equator?	An area of land	A planet in space	The two plates beneath the Earth's surface	An imaginary line exactly in the middle of the Earth dividing the Northern Hemisphere and the Southern Hemisphere
3.	How many countries lie along the equator?	13	20	11	15
4.	What percentage of the world's volcanoes and earthquakes lie on the Pacific Ring of Fire?	50% of volcanoes and 65% of earthquakes	70% of volcanoes and 10% of earthquakes	75% of volcanoes and 90% of earthquakes	100% of volcanoes and earthquakes
5.	The three tropical storms are...	Typhaons, hurricanes and tornadoes	Blizzards, hailstorms and floods	Doris, Derek and Dorian	Low, moderate and severe
6.	Earthquakes occur when...	It gets too hot	When the Earth's crust (tectonic plates) pulls and pushes against themselves	Before a really heavy storm	When the equator shifts
7.	What escapes from a volcano?	Boiling hot water	Magma, hot ash and gases	Ice and rocks	Living creatures
8.	Earthquakes are measured using...	Data loggers	The Hydro Scale	The Electron Recorder	The Richter Scale
9.	What is a tsunami?	Another type of earthquake	A famous mountain in Peru	A large ocean wave	A tool used to measure volcanoes
10.	What is condensation?	Water that falls back to the ground	Turning liquid into vapour	Turning vapour into liquid	Steam vapour