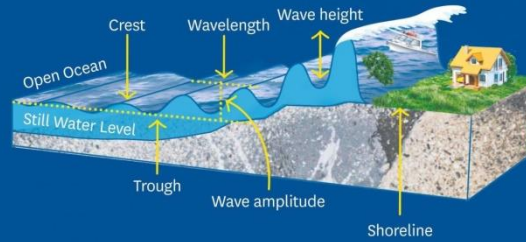


Autumn 1 - Endurance Explorers

Watch out! Hold on to your hats and grab your coats! We are going to be going on a wild, wacky and earth shattering journey to discover more about natural disasters and the impacts these have on our lives and the world.

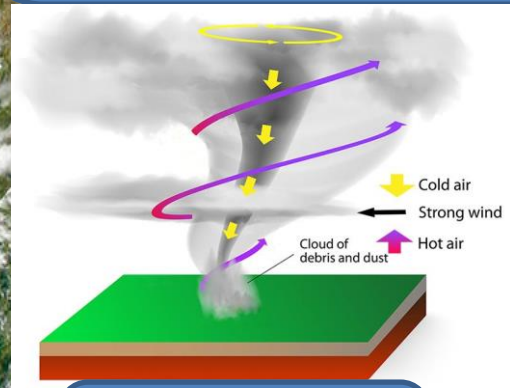
HOW A TSUNAMI WORKS



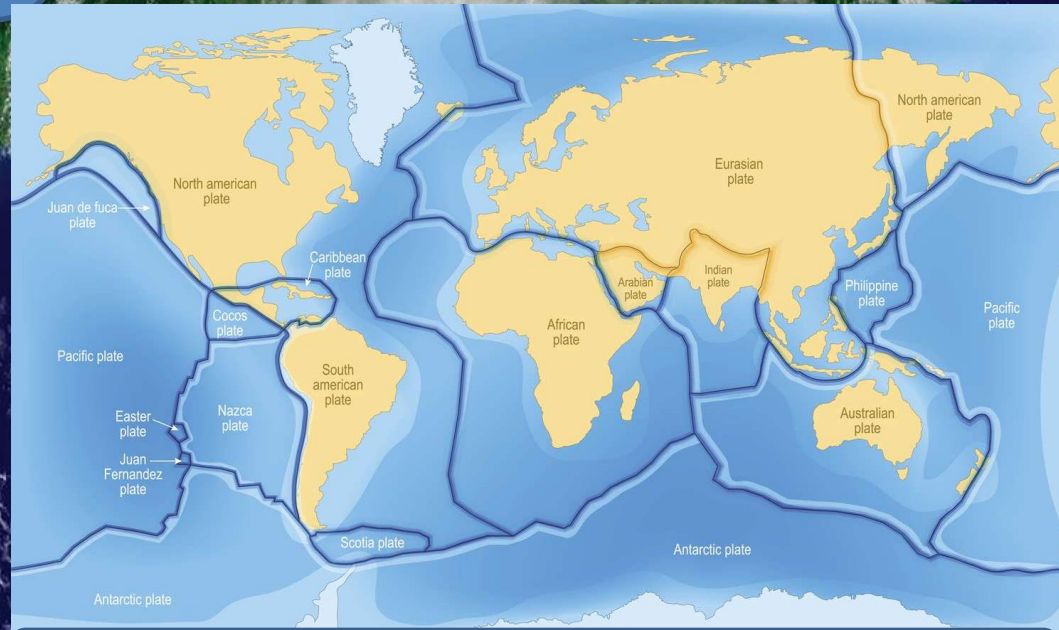
What is a tsunami and how are they formed?



Who is Sir Ernest Shackleton?



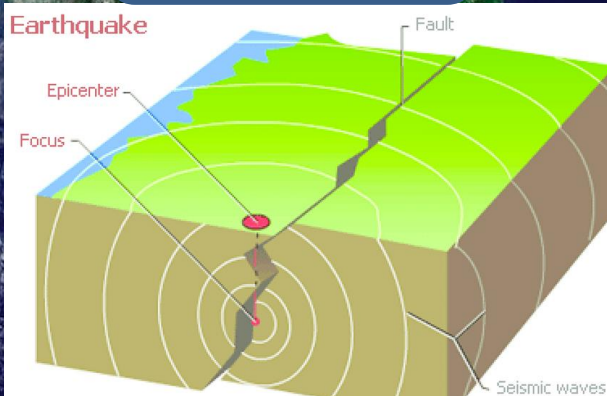
What is a tornado and how are they formed?



What are tectonic plates and how do they create landforms?



What are hurricanes and how are they formed?



What are earthquakes and how they are formed?



What is climate change?

Key vocabulary:

Climate - the long term pattern of weather within an area.

Earthquake - occur when two large pieces of the earth's crust suddenly slip, this causes shock waves to make the Earth's surface shake,

Hurricane - a tropical storm originating in the Atlantic Ocean.

Plate tectonics - large, slow-moving pieces of rock, which make up the outer layer of the Earth. All of the Earth's land and water 'sit' on these plates of rock.

Tornado - a spiraling funnel of air, descending from a storm cloud.

Tsunami - a large ocean wave usually caused by an underwater earthquake or eruption. They are NOT tidal waves.

Case studies/ famous natural disasters:

22nd May 1960 - Valdivia earthquake (Chile), 9.4 on the richter scale.

26th December 2004 - Sumatra earthquake, 9.1 on the richter scale and caused one of the most deadliest tsunamis.

11th March 2011 - Japan earthquake, 9.1 on the richter scale and caused a tsunami.

6th February 2023 - Turkey/Syria earthquake, 7.8 on the richter scale.

LATITUDE

horizontal lines

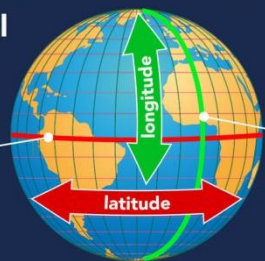
Equator (latitude)

vs

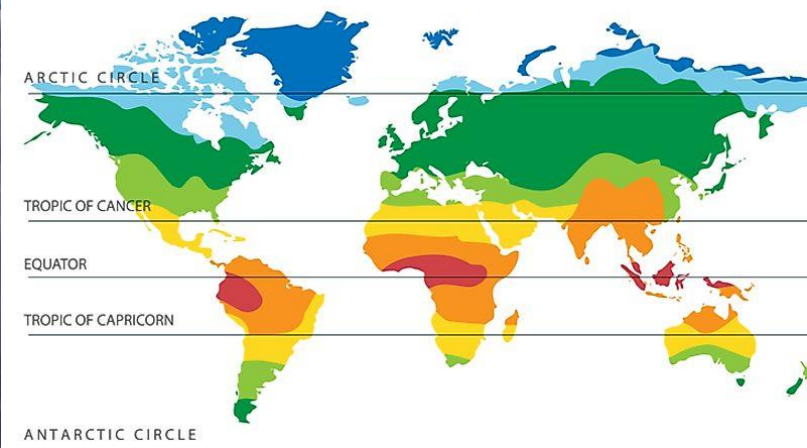
LONGITUDE

vertical lines

Prime Meridian (longitude)



YOUR
DICTIONARY



Useful links for home learning:

<https://www.dkfindout.com/uk/earth/earthquakes/where-do-earthquakes-happen/>

<https://www.dkfindout.com/uk/earth/earthquakes/tsunami/>

<https://www.dkfindout.com/uk/earth/weather/hurricanes/>

<https://www.dkfindout.com/uk/earth/tectonic-plates/>

<https://shackleton.com/pages/challenges>