

Year 5 – Knowledge Organiser – Asia, biomes and Earthquakes

Key Vocabulary

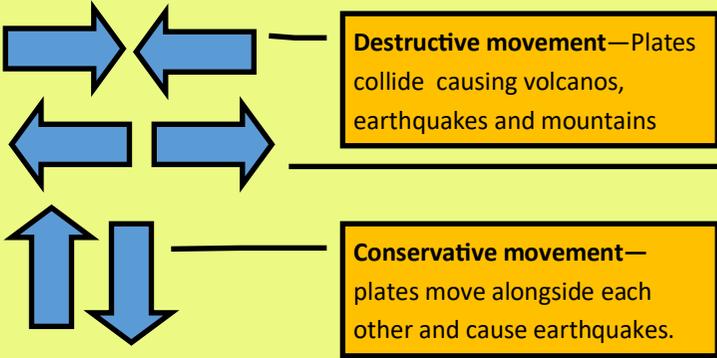
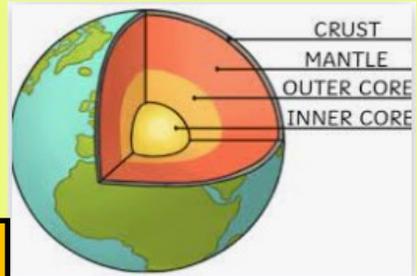
Earthquake	Sudden move in earths crust causing shaking of ground
Tectonic plates	Plates that make up the earths crust
Richter scale	A measurement of the seriousness of an earthquake
Continent	A solid areas of land
Tsunami	Waves caused by earthquakes under sea.
Biome	Areas of the planet with similar climates, landscapes, plants and animals
Tropical rainforest	Hot and wet all year round. Vast range of vegetation.
Desert	Dry areas that get very little rain
Savannah	Hot all year round with along dry season.
Grassland	Vast open land, mainly grass
Tundra	Coldest biome, no trees

Earthquakes



The Earth is made up of plates called **Tectonic plates**. These are moving on top of the mantle which is the next layer down. The **mantle is semi molten** and is heated by the core. The heat makes the **tectonic plates move**.

As the plates move in different ways and this causes different events to happen on the surface such as earthquakes, volcano's or formation of mountains.



Movement from **Oceanic** plates that carry the ocean, can cause **tsunamis** which is movement of water creating large waves.

Each year Scientist measure over 20,000 earthquakes. Often using the **Richter Scale**. They grade them 1-10 depending on the amount of movement. The measurements help them try and predict when a major earthquake may happen.

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Asia



Asia is the largest continent in the world and the highest populated. It is surrounded by three oceans and several seas. It is also connected to Europe and Africa. It also connects to North America in the winter when the Bearing sea ices over.



The highest point in the world is in Asia it is called Mount Everest.

The lowest point in the world is in Asia it is the Dead Sea.

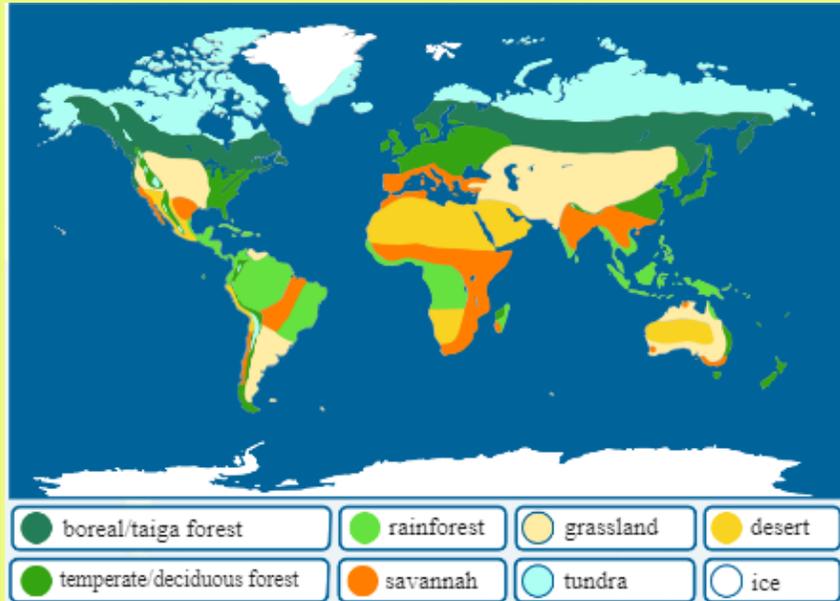


There are 48 countries in Asia including China, Japan, Indonesia, India, Pakistan and Vietnam. Many religions came from Asia.



The Great Wall of China is one of the 7 Wonders of the World.

Biomes



Biomes are areas of the planet that have similar climates, landscapes, animals and plants. There are land based biomes and aquatic biomes.

Deserts have a lack of rain where little or no life exists. The earth is dry and sandy. Although many are hot some area also cold. Desert areas in the world are slowly expanding.



Most Rainforests are near the equator. This makes them very warm but also humid because there is also a lot of rainfall. They provide 40% of the worlds oxygen. Sadly rainforests are shrinking and this is real concern.



Savannah biomes are hot all year round with long dry seasons. Grasses grow but there are few trees. They are located near the equator. Savannahs can be known as grasslands.



Tundra biomes are generally harsh, cold and treeless plains where it is hard for plants and animals to survive. The ground under the top soil is permanently frozen.

