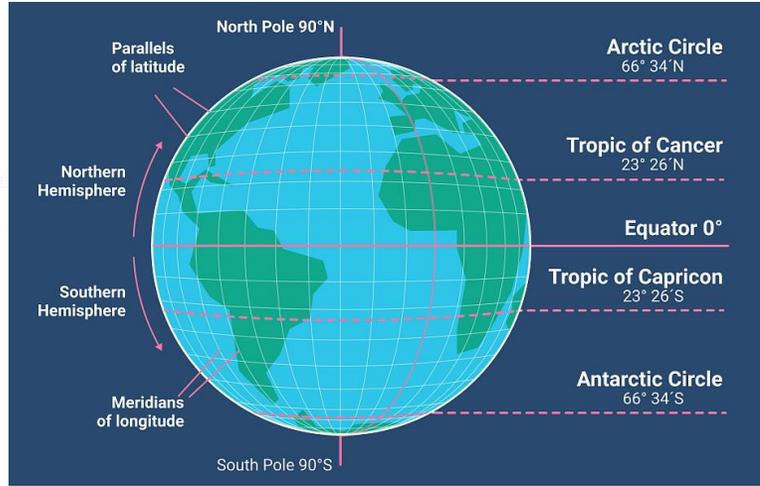
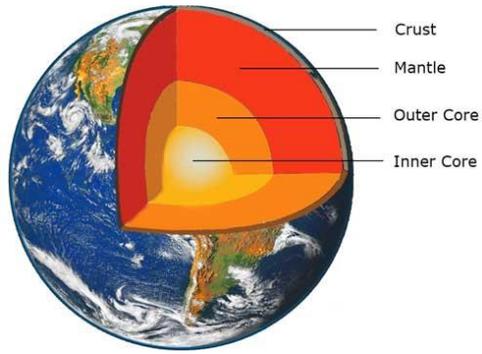


How does the Earth Shake, Rattle and Roll?



Key Facts

- Volcanoes are made when pressure build up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it. Active volcanoes have erupted in the last 10,000 years. Dormant volcanoes have not erupted in the last 10,000 years.
- Earthquakes are caused when the earth's tectonic plates suddenly move. Most earthquakes occur near the tectonic plate boundaries.
- A tsunami is a giant wave caused by an earthquake under the ocean. The earthquake causes a large amount of water to be displaced quickly and causes a series of large waves.
- A tornado is a swirling funnel of air that forms when warm air rises from the ground into big cumulonimbus clouds. Most tornadoes happen in America in a place they call Tornado Alley.

Key Vocabulary

Climate Zone	The weather changes in different parts of the world. Where there are similar weather patterns this is known as a climate. Generally, climate zones are belt-shaped and circle around the poles.
Cumulonimbus cloud	Large thunderstorm clouds.
Environment	The surroundings or conditions in which a person, animal, or plant lives or operates.
Equator	An equator is an imaginary line around the middle of Earth.
Erupt	To suddenly burst out causing lava to explode out of the earth's surface.
Fossils	The remains of plants or animals that lived a long time ago, which can be found deep in the earth.
Latitude	Latitude is the measurement of distance north or south of the Equator. It is measured with 180 imaginary lines that form circles around the Earth.
Longitude	Longitude is measured by imaginary lines that run around the Earth vertically (up and down) and meet at the North and South Poles.
Magma	Extremely hot, liquid rock.
Poles	The geographic poles are the points where the axis the Earth rotates around meets the surface
Tectonic Plates	The earth's crust is made up of large areas that are joined together.
Tropical	The tropics are regions of the Earth that lie roughly in the middle of the globe.