

types of plate tectonics

divergent: moves apart from each other

convergent: moves towards each other

Transform: slides pass each other

tectonic plates moving can cause:
earthquakes, mountains, volcanoes, ocean ridges/trenches, subduction

lithosphere

lithosphere is constantly moving but in a very slow motion

these motions are not the same everywhere

the movement of the lithosphere is called "tectonics"

Plate tectonics theory:
the entire lithosphere of the earth is broken into numerous segments called PLATES

geologic structures

volcanoes

earthquakes

mountain ranges

Major plates and Minor plates

Major plates:

pacific plate

north american plate

Eurassian plate

African plate

Antartic plate

Indo-Austrillian plate

South American plate

Minor plates:

philippine plate

nazca plate

scotia plate

cocos plate

caribbean plate

arabian plate

autrialian plate

Continental crust- thicker but less dense

Oceanic crust- Thinner but denser

Four layers of the earth

crust

mantle

inner core

outer core

the epicenter is where the vibration is and the focus is the exact location of the earthquake.

the graphical record of an earthquake is called "SEISMOGRAM" and its device is "SEISMOGRAPH"

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