Concept Development

An earthquake is a seismic, activity caused by lithospheric, plates moving against each other.

· Most earthquakes occur near the edge of the plates.

Plate motion is the movement of the lithospheric plates.

. There are 20 large, rigid, plates that are constantly moving in different directions.

Explain how earthquakes occur.

Plate boundaries are the places where two plates meet. Depending on how each plate is moving, a different type of boundary is formed.

Convergent boundaries

- one plate dives under another forming volcanoes and mountains



Divergent boundaries the plates pull away from each other forming ridges and rift valleys.

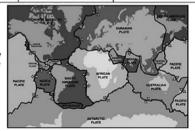


Transform boundaries the plates slide past each other forming a fault line.



Plate Motion Map Notice the vellow

arrows that show movement.



CEU

Look at the Plate Motion image Where is an earthquake most likely to occur, location 1 or 2? How do you know?

Name two plates that have a convergent boundary.

Name two plates that have a divergent boundary.

Name two plates that have a transform boundary.

In your own words, what are plate boundaries? "Plate boundaries

In your own words, what is an earthquake? "An earthquake is

Vocabulary

2 vibration of the Earth 3 the Earth's outermost layer 4 unbendable

Explain how earthquakes occur







