

CW
22/7/21

Changing face of Earth



Earthquake

- * All natural earthquakes occur in the lithosphere.
- * Seismic waves studies offer a full picture of the layered interior.
- * An Earthquake is, simply put, shaking of the Earth's crust.
- * It is caused due to the energy release, which triggers waves that travel in all directions.
- * The emanation of a energy occurs along a fault.
- * A fault is a sharp break in the crustal rocks.

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Earthquakes waves are of two types:

- * P-waves are also known as ~~primary~~ primary waves. They are the first waves to arrive at the surface.
 - * S-waves ~~after~~ arrive after ~~some~~ ~~some~~ sometime after the happening of the earthquake and they are called secondary waves.
 - * All earthquakes are different in their intensity and magnitude. The instrument for the measure measurement of the vibration is known as seismograph.
 - * Richter Scale is used to measure the magnitude of the Earthquake.
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HW
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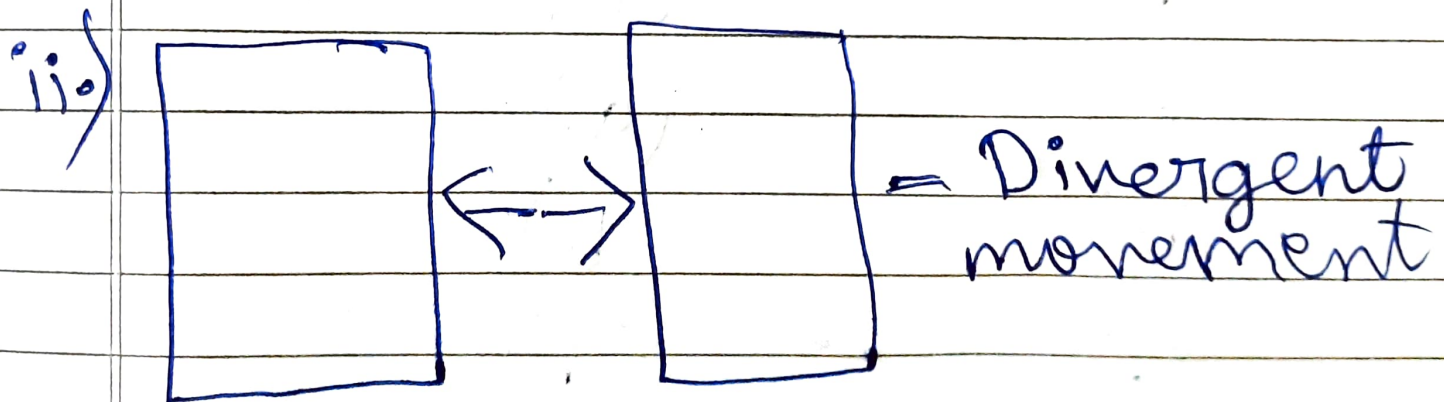
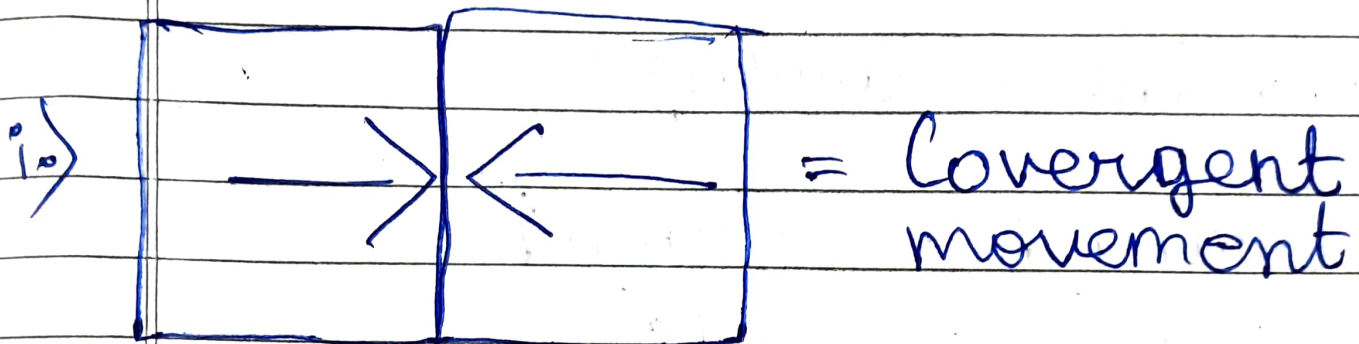
Labelling

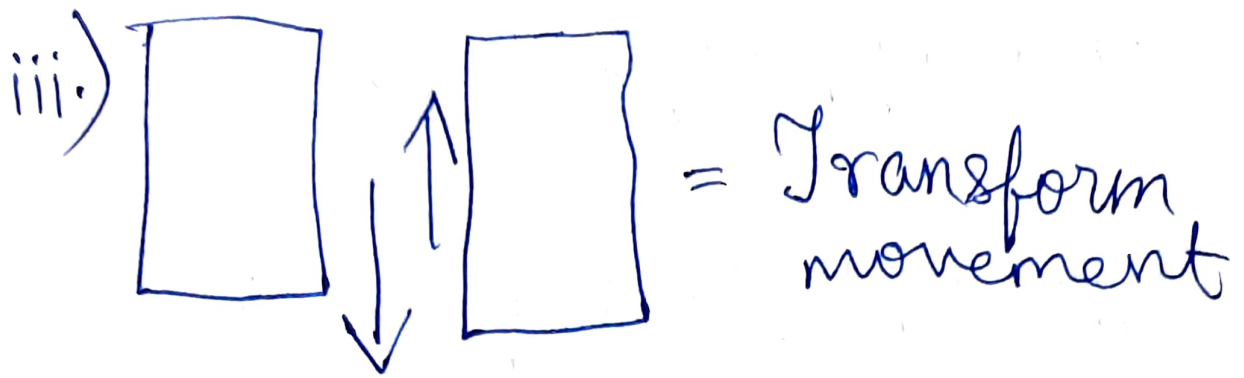
- 1.) ~~Tectonic~~ plate Earth's Crust
- 2.) ~~Epi~~ Epicentre
- 3.) hypocentre
- 4.) ~~fault~~ Fault line
- 5.) tectonic plate

1q- Types of Tectonic plates (Any 6)

- i.) Eurasian Plate
- ii.) African Plate
- iii.) Antarctic Plate
- iv.) South American Plate
- v.) Pacific Plate
- vi.) North American Plates

Tectonic Plate movement





How do earthquake happen?

ans- An earthquake is caused by a sudden slip on the fault. The earthquake releases energy in waves through the crust and it's shaking makes us feel the earthquake.

Match the following :-

Column A - Column B

(1)

(c)

(2)

(e)

(3)

(a)

(4)

(b)

(5)

(d)