

CLASS - 10 (Geography)
CHAPTER - IX → EARTHQUAKE

Definition →

Earthquake is the sudden release of strain energy in the Earth's crust, resulting in waves of shaking that radiate outwards from the earthquake.

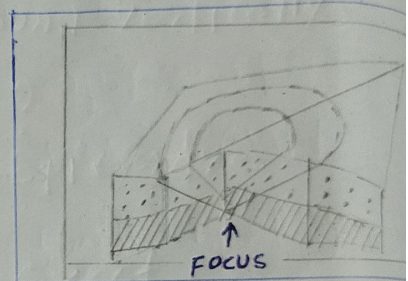
Character of Earthquake

1. Earthquake has no fixed time
2. This vibration can travel from one end of the earth to the other.
3. Vibration may be low or high.

What is Hypocentre

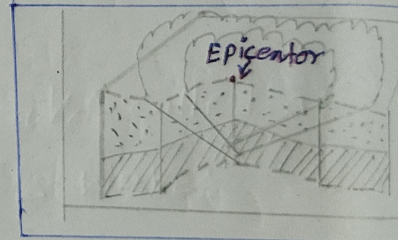
The location below the earth's surface where the earthquake starts.

Location → 16 - 700 KM.



What is Epicenter

The point above the focus on the surface of the Earth.

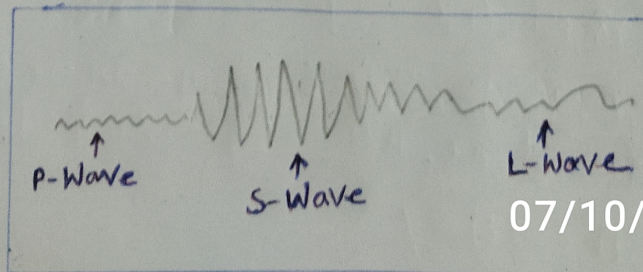


What is Seismic Wave

The waves of energy caused by the sudden breaking of rock within the earth.

Types of Seismic Waves

1. P-waves (Primary)
2. S. Waves (Secondary)
3. L. Waves (Love)

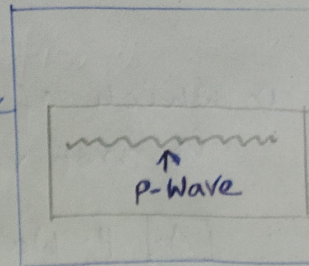


1. Define Primary Wave

The first waves to arrive at a seismograph.

□ Character of P-Wave

- A. Fastest seismic waves.
- B. Move through solid, liquid, gas.

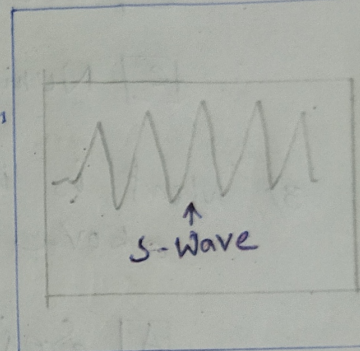


2. Define Secondary Wave

Lateral waves that move side to side as a sine wave perpendicular to the direction of the wave.

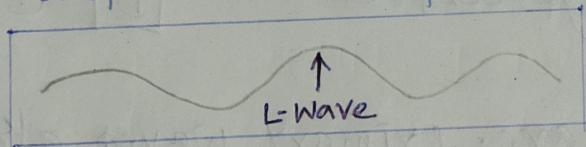
□ Character of S-Wave

- A. Travel only through solids.
- B. Not move liquid, gas.



3. Love Wave (-L-Wave)

Love waves moving forward have horizontal back and forth motion.



□ Character of L-Wave

- A. other name - surface wave
- B. Move along the surface of the Earth.

□ Conclusion →

The Earthquake cause more damage and kill people, destruction human buildings, rails, roads, bridges and animal lives etc. Say that earthquake disaster is very dangerous for all living beings.

Date	Class - VI Subjects - Name	2. 4. 7. 10 Revision Date
01.10.23 07. Am	<ul style="list-style-type: none"> - Geography → (Solar system) - English - (Grammar) → Hindi - (कथा) → History (Earliest Cities) → Mathematic (Whole Numbers) 	04.10.23 09.10.23 17.10.23 28.10.23 07. Am
02.10.23	<ul style="list-style-type: none"> → English (Tansen) → Geography (Motions of the Earth) → Hindi (दूर) → History (Villages and Towns) → Mathematic (Geometrical) 	05.10.23 10.10.23 18.10.23 29.10.23
03.10.23	<ul style="list-style-type: none"> → English (Test wrestling) → Geography (Maps) → Hindi (पता) → History (Ashoka) → Mathematic (Fractions) 	06.10.23 11.10.23 19.10.23 30.10.23
04.10.23	<ul style="list-style-type: none"> → Geography (Our Country - India) → English - (Two Birds) → Hindi (किताब) → History (New Question/Ides) → Mathematic (Algebra) 	07.10.23 12.10.23 20.10.23 31.10.23