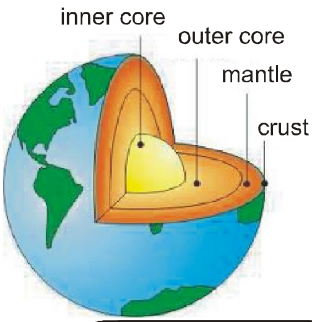
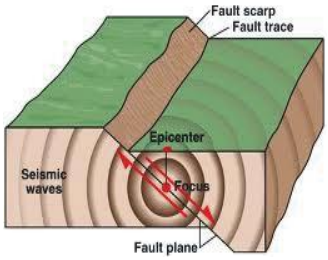
CLASS-VIII (CANCEPT MAP)

EARTHQUAKE

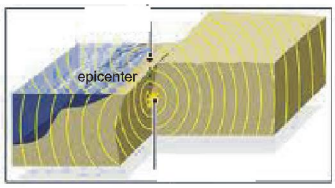
- **Structure of earth**



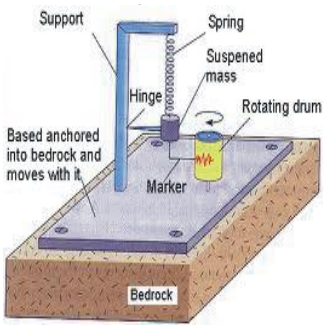
- **cause of earthquake**
  - movement of tectonics plates
  - Faults of crust
  - Volcanic erruption
  - Underground nuclear explosion



- **Seismic focus** → A point where earthquake originates



- **Epicenter** → A point on crust just above focus
- **Seismograph** → Detect intensity of seismic waves



- **Seismogram** → Graphical record of intensity of seismic waves
- **Richter scale** → To measure magnitude of an earthquake
- **Hazards** →
  1. Vibratory ground motion may result in the collapse of buildings.
  2. Flood into inhabited area due to tsunamis and dam breaches
  3. Ground failure due to liquefaction. Liquefaction is the process by which water saturated sand or soil temporarily loses strength and acts as a fluid..
- **Safety measure** →
  1. Keep away from heavy objects that might fall.
  2. If you are driving, stop if it is safe but stay inside your car
  3. Stay away from bridges, overpasses and tunnels.