

13. Sound

- Vibrating body produces sound.
- Vibration motion– to-and-fro or back-and-forth or up-and-down motion of a body.
- Sound is a form of energy that is produced by producing vibration in an object.
- Sound cannot move through vacuum; sound waves are longitudinal waves.

- Sound requires **material medium** for propagation.
- Sound can travel through solid, liquid or gas.
- Sound cannot travel through vacuum.
- No sound can be heard in outer spaces.

- Unpleasant sound is called **noise**.
- **Noise pollution** – Presence of unwanted and excessive sound in the environment
- Noise pollution may cause many health related problems.
- **Measures to control noise pollution:**
 - Moving noise producing industries away from residential area.
 - Minimizing the usage of loud speakers.
 - Avoiding unnecessary usage of horns
 - Planting more and more trees.

