

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.
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- 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.
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- 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.