



Sound & Sounds Around Us

Common Sounds Around Us

We hear various sounds throughout the day – traffic, clock ticking, fan, TV, mobile, etc.

Observing surroundings silently helps identify these everyday sounds.

What is Sound

- Sound is a form of energy caused by vibrations.
- It travels through solids, liquids, and gases, not through a vacuum.
- Pleasant sounds: speech, music.
- Unpleasant sounds: noise, loudspeakers, traffic.

Did You Know?

- i. Sound travels 4 times faster in water than in air.
- ii. Sound cannot travel in space (vacuum).
- iii. Cracking a whip breaks the speed of sound.

Sound Made by Inanimate Objects

Non-living things like bells, horns, phones, leaves, airplanes also produce sounds.

Did You Know?

- i. The study of sound is called acoustics.
- ii. Thunder is caused by rapidly heated air around lightning.
- iii. Volcano eruption creates the loudest natural sound on Earth.

Sound Made by Living Things

Humans: clap, stomp, whistle, sneeze, cough, sing, shout, etc.

Animals communicate using distinct sounds:

- Cat – mew
- Bat – screech
- Wolf – howl
- Ox – bellow
- Lion – roar



Did You Know?

- i. Flies cannot hear.
- ii. Dolphins can hear from 15 miles away underwater.
- iii. Whale sounds can travel 479 miles in water.

Sounds that are Important to Us (Warning Sounds)

Warning sounds help in emergencies and prevent accidents.

Examples:

- **Vehicle Horns** – to avoid accidents
- **Alarms** – alert in noisy environments
- **Sirens** – for natural disasters and emergencies:
 - **Ambulance** – for quick medical help
 - **Police vehicle** – for urgent public assistance
 - **Fire engine** – to reach fire site quickly