

Q1: → Define Sound.

Ans: → Sound is the form of energy that produces the sensation of hearing in our ears.

Q2: → How sound is produced, Give an example.

Ans: → Sound is produced when a body vibrates.
For example; When we speak, our vocal cords vibrate to produce sound in the larynx (Voice Box).

Q3: → Describe an activity to show the sound is produced by a vibrating body.

Ans: → Take a drum, beat it. We will hear the sound of the drum. If we touch the membrane of the drum, we will feel its vibrations. When the membrane stops vibrating, the no sound is heard. This shows that vibrating drum produces sound.

Q4: → What are the sources of sound tell their names?

Ans (i) Tuning Fork

(ii) Musical instruments like Flute, Harmonium, mouth organ, sitar, guitar, piano, Violin etc.

(iii) Human beings (Voice Box)

Q5: → The bees do not have voice boxes. but they still make sound. How?

Ans: → Because bees do not have voice-boxes but they make sound by moving their wings up and down very fast.

Q6:- Can sound travel through vacuum (no air)? Why

Ans No, sound cannot travel through vacuum. because sound needs a medium for its propagation.

Q7:- Can two persons hear each other on moon's surface? Give reason.

Ans:- No, because there is no atmosphere on the moon surface and sound needs a medium for its propagation.

Q8:- Write the audible range for the normal human ear?

Ans:- 20 Hz to 20,000 Hz

Q9:- What is ultrasonic sound?

Ans Sounds of frequency higher than 20,000 Hz are called ultrasonic sound.

Q10:- Write the names of animals that can hear ultrasonic sound?

Ans Dogs, bats, monkeys, deer and leopards etc. can hear ultrasonic sound.

Q11:- Define Infrasonic or Subsonic sound. Can we hear them?

Ans:- The sounds of frequency lower than 20 Hz are called infrasonic sounds. No, we can't hear them because their frequency is quite low.

← to be continued →