

# St. Andrews Scots Sr. Sec. School

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Session: 2025-2026

Worksheet

**Class: VIII**

**Subject: Science**

**Chapter: Sound**

## Q.1. Define the terms:

- a) Vibration
- b) Amplitude
- c) Infrasonic sound
- d) Frequency
- e) Ear drum

## Q.2.Fill in the blanks:

- a) Human beings sound is produced by \_\_\_\_\_.
- b) Sound of frequency lower than 20 Hz is called the \_\_\_\_\_.
- c) The \_\_\_\_\_ nerve is also present in the inner ear.
- d) Sounds which are unpleasant to the ear is called \_\_\_\_\_.
- e) Too much noise in our surroundings that causes discomfort is called \_\_\_\_\_.

## Q.3. Answer in one word:

- a) What is the unit of frequency?
- b) Name a musical instrument which produces sound by blowing air into it.
- c) In which medium sound propagates the maximum?
- d) What is the maximum displacement of an oscillating object is called?
- e) What is the unit of loudness?

## Q.4.Answer the following questions:

- a) Why cannot we talk in space?
- b) A ringing alarm clock is placed in vacuum. Why will you not be able to hear its ticking sound?
- c) Why is it more convenient to put the ear on the track to hear a train approaching from far away?
- d) By how much will the loudness of a sound change when the amplitude of vibrations is
  - (i) tripled    (ii) doubled

e) When you listen to the sound produced by a tuning fork and the sound of the same frequency produced by a sitar, you find that tuning fork sounds flat whereas the sitar sounds shrill. Why?