

SOUND

Subtopic: We hear sound through our ears, Amplitude, time period and frequency.

Section 1

1 Mark T for True or F for False.

1 a. One oscillation per minute is a frequency of one Hz.

1 b. The signals from the eardrum goes to the brain.

2 Choose the correct answer.

Voice of which of the following is likely to have minimum frequency?

(a) Baby girl

(b) Baby boy

(c) A man

(d) A woman

Section 2

3 Fill in the blanks.

The _____ can impair eardrum.

4 Calculate the following.

A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.

Section 3

Answer the questions in brief.

5. Define the term 'Eardrum'.

6. Define frequency of oscillation. Give its unit.

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7. What are the properties of sound? Define them.

8. Define oscillatory motion.

Section 4

Answer the questions in detail.

9. Explain about the sound heard through our ears with a neat diagram.

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10. Explain about the properties of sound in detail with necessary examples.

[illegible]