

SCIENCE WORKSHEET
CHAPTER -Sound
CLASS VIII
Date of submission: 14.11.19
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Q1. Fill in the blanks:

- a. Sound usually travels the slowest in -----state of matter.
- b. Light travels -----than sound travels.
- c. Sound usually travels the fastest in this state of matter.
- d. The -----of sound changes based on the matter sound wave is travelling through.
- e. The unit of frequency is -----

Q2. Write true or false. Rewrite the false sentence correctly.

1. The organ of human beings that is involved in producing sound is eardrum.
2. Another name of vocal cord is Tympanum.
3. A simple pendulum can produce sound waves that we can hear.
4. SI unit of time period is hour.
5. Higher the amplitude of sound wave, higher is its frequency.

Q3. Match the following;

	Column A		Column B
1	Amplitude	a	Noise
2	Traffic	b	Wind instruments
3	Flute	c	Loudness
4	Dogs	d	High pitched sound
5	Violin	e	Stringed instruments

Q4. Answer the following question :

- a. With the help of a diagram explain the difference in
 - (i) High pitched and low pitched sound wave.
 - (ii) Softer sound and the louder sound
- b. Draw a simple pendulum and explain the following terms
 - i) Amplitude
 - ii) Frequency
 - iii) Time period
- c. What are percussion instruments? Give three examples. How can the pitch of sound produced by these instruments be altered?
- d. The frequency of a vibrating body is 2.5 Hz. Find its time period.
- e. What is meant by inaudible and audible sound? What is the range of frequency of audible sound for human being?

f. "With the cities becoming crowded, noise pollution is becoming a constant nuisance"-----
Explain it

Q5. Draw a diagram of human ear and label the following parts.

- (a) The middle ear
- (b) The pinna
- (c) The ear drum
- (d) The inner ear.
- (e) Ear tube

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