

Science Test: Chapter - Sound (Class 8)

Instructions:

1. All questions are compulsory.
2. Write clear and precise answers.
3. Time: 1 hour, Total Marks: 40

1. Define sound. How is it produced?
2. Explain how sound travels through a medium. Name the three types of mediums through which sound can travel.
3. What is the difference between frequency and amplitude of a sound wave?
4. What is the speed of sound in air? How does it compare to its speed in solids and liquids?
5. Explain the term 'echo' and mention one practical application of echoes.
6. Why is sound unable to travel through a vacuum?
7. Differentiate between noise and music with examples.
8. What are ultrasonic sounds? Mention two uses of ultrasonic waves in everyday life.
9. Describe how the human ear helps us to hear sound.
10. What is resonance? Give an example where resonance is observed in daily life.