

Physics ICS Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Frequency range of hearing of cats is.	A. 20-20000 Hz B. 10- 10000 Hz C. 60-20000 Hz D. 60-70000 Hz
2	the louder the sound, the greater will be its.	A. Speed B. Frequency C. Amplitude D. Wave length
3	In which medium the speed of sound is greater.	A. Oxygen B. Air C. Water D. copper
4	Speed of sound in aluminum at 20 °C is.	A. 3600 m/s B. 5100 m/s C. 5130 m/s D. 3500 m/s
5	Teh speed of sound in air is 340 m/s. If the pressure of air is doubled then the speed becomes.	A. Double B. Half C. Four times D. Remains same
6	Sound wave can not be	A. Reflected B. Refracted C. Diffracted D. Polarized
7	The error in speed of sound calculated by Newton at STP is about.	A. 0 % B. 14 % C. 15 % D. 16 %
8	Speed of sound in copper is	A. 38000 ms ⁻¹ B. 3600 ms ⁻¹ C. 3500 ms ⁻¹ D. 3400 ms ⁻¹
9	With increase of temperature, speed of sound.	A. Remains constant B. Becomes zero C. Decreases D. Increases
10	If the pressure of a gas is doubled, then speed of sound is.	A. Doubled B. Become half C. Not affected D. Increases by four times
11	Increase in speed of sound for 1 °C rise in temperature is.	A. 0.61 ms ⁻¹ B. 0.61 cms ⁻¹ C. 61 ms ⁻¹ D. 6.1 ms ⁻¹
12	The speed of sound in air would become double than ots speed at 10 °C at a temperature of.	A. 313 ^oC B. 586 ^oC C. 859^oC D. 899 ^oC
13	Sound travel faster in	A. CO ₂ B. H ₂ C. O ₂ D. He
14	The speed of sound in air does not depend upon	A. Temperature B. Pressure C. Density D. Medium
15	Increase in the velocity of sound in air for 1 °C rise in temperature is.	A. 61 ms ⁻¹ B. 0.61 ms ⁻¹ C. 161 ms ⁻¹ D. 261 ms ⁻¹

16 The speed of sound is greater in solids due to their high.

- A. Density
 - B. Pressure
 - C. Temperature
 - D. Elasticity
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17 The speed \velocity of sound is greatest in.

- A. Air
 - B. Steel
 - C. Ammonia
 - D. Water
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