

Download Chapter 15 Study Guide Properties Of Sound Answers

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15 Sound CHAPTER Practice Problems 15.1 Properties and Detection of Sound pages 403–410 page 405

1. Find the wavelength in air at 20°C of an 18-Hz sound wave, which is one of the lowest frequencies that is detectable by the human ear. $v = 343 \text{ m/s}$

2. What is the wavelength of an 18-Hz sound wave in seawater at 25°C ...the nature of sound waves and the properties sound shares with other waves.

- Solve problems relating the frequency, wavelength, and velocity of sound.
- Relate the physical properties of sound waves to the way we perceive sound.
- Define the Doppler shift and identify some of its applications.

15.1 Properties of Sound 350 Sound $v > 0$...Study Guide, pp. 145–150 Section 15-1 Quiz, p. 151 ... FAST FILE Chapters 11–15 Resources, Chapter 15 Transparency 15-3 Master, p. 161 Transparency 15-4 Master, p. 163 Transparency 15-5 Master, p. 165 Study Guide, pp. 145–150 Reinforcement, pp. 153–154 ... exactly what type of wave is sound? Section 15.1 Properties and Detection of Sound 403