

Lecture 13

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 507 – 517 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quiz: 17.1 – 17.3
 - 2) Book Objective Questions (p. 523): 5, 7, 9, 12
 - 3) Book Problems (p. 525): none

Goals for the Lecture:

- 1) Understand how the speed of sound changes in gases, liquids, solids
- 2) Understand how the intensity of a sound wave changes with distance
- 3) Understand decibels and how to calculate them in solving problems

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 17: Objective Questions: 4

Ch 17: Problems: 24 and 27

Continue with the additional recommended study problems from chapter 17