

Lecture 2

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

- Read pages 573 – 577 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes 19.3 – 19.4
 - 2) Book Objective Questions (p. 581): 1, 12, and 13
 - 3) Book Problems (p. 583): 11

Goals for the Lecture:

- 1) Understand thermal expansion and the unique property of water below 4°C
- 2) Be able to calculate changes in length and volume as objects heat and cool

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 19: Conceptual Questions: 1 and 6

Ch 19: Objective Questions: 11

Ch 19: Problems: 13 and 16

Continue with the additional recommended study problems from chapter 19