

Lecture 8

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

- Read pages 635 – 638 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes 21.3 – 21.4
 - 2) Book Problems (p. 647): 26

Goals for the Lecture:

- 1) Understand that the ratio of molar specific heat at constant pressure that at constant volume has a special significance and can be used to solve problems
- 2) Understand how this ratio is used in adiabatic processes to solve 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 21: Problems: 28 and 33

Continue with the additional recommended study problems from chapter 21