Lecture 10

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

- Read pages 660 – 678 in the textbook (Serway 9th edition) and do the following:
  1) Quick Quizzes 22.3 – 22.6
  2) Book Problems (p. 684): 42

Goals for the Lecture:

1) Understand the Carnot Engine and that it is the most efficient engine possible
2) Understand the concept of entropy and how it applies to thermodynamic systems
3) Be able to calculate changes in entropy for thermodynamic processes

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 22: Conceptual Questions: 10 and 11

Ch 22: Problems: 43

Continue with the additional recommended study problems from chapter 22