

## Chapter 8 Study Guide

Prior to lecture:

1. For review read Ch. 3.1 and 3.3. Work through example problem 3.3.
2. Read Ch. 8 Sections 1-6 in the textbook
3. On a sheet of paper, work through examples 8.2.
4. On a sheet of paper, complete the "Take-Home Experiments" on pages 270 and 275.  
Answer all questions.
5. Answer conceptual questions 3, 4, 5, 8, and 17 on page 287 of the text.
6. Define the following terms:
  - a. Momentum
  - b. Elastic collision
  - c. Inelastic collision
  - d. Point mass
  - e. Impulse
  - f. Isolated system

After lecture:

1. Review notes from lecture
2. Redo all example problems from lecture
3. Reread text sections 1-6
4. Work through example problems 8.1, 8.4, 8.5, and 8.7.
5. Redo all recitation worksheet problems
6. Answer conceptual questions 1, 2, 6, 9, 11, 15, 16, and 18 on page 287 of the text.
7. Complete homework for chapter 8
8. For extra practice, try the following problems from chapter 8 of the textbook: 1, 5, 7, 11, 15, 20, 24, 25, 29, 30, 36, 37, 39, 49, 52