# Chapter 11 Study Guide

Prior to lecture:

1. Read Ch. 11 in the textbook
2. On a sheet of paper, work through example 11.1 and 11.2 on pages 364 and 365.
3. Describe how a barometer works to measure pressure.
4. On a sheet of paper, complete the "Take-Home Experiments" on pages 325. Answer all questions.
5. Read the "Problem-Solving Strategies for Rotational Kinematics" on pages 377 and 385. Rewrite the procedure in your own words.
6. Answer conceptual questions 1, 4, 9, 14, 28, 37, and 39 on pages 394 and 395 of the text.
7. Define the following terms:
    a. Archimedes' Principle
    b. Pascal's Principle
    c. Pressure
    d. Absolute pressure
    e. Gauge pressure
    f. Atmospheric pressure
    g. Density
    h. Buoyant force
    i. Fluids
    j. Specific gravity
    k. Surface tension

After lecture:

1. Review notes from lecture
2. Redo all example problems from lecture
3. Reread text
4. Work through examples 11.3, 11.4, 11.6, 11.7, 11.8, and 11.12 of the text.
5. Redo all recitation worksheet problems
6. Answer conceptual questions 2, 7, 11, 16, 18, 24, 29, 34, 35, and 37 on pages 394 and 395 of the text.
7. Complete homework for chapter 11
8. For extra practice, try the following problems from chapter 11 of the textbook: 6, 9, 10, 11, 13, 22, 23, 25, 28, 30, 33, 40, 46, 62, 65, 69, 73, 75, 83