How Things Work

Homework 5 – Due Sunday, July 15, 2006 (in class)

1) Perform Active Reading of the Introduction to Chapter 3 and Section 3.1 in the Textbook (Pages 81-88) and answer the following “Check your understanding” questions from the textbook

(IMPORTANT LEARNING OPPORTUNITY: For your benefit, FIRST answer the question, and THEN check answers in book. If your answer does not agree with the book’s answer, re-think your answer and repeat the process until you understand the concept. This is a great way to really learn. If you simply copy the answer from the book, there will be no learning benefit.)

a. Check Your Understanding #2: Going Down Anyone? (Textbook p. 86)

b. Check Your Figures #1: A Sinking Sensation (Textbook p. 86)

c. Check Your Understanding #3: Scaling Down (Textbook p. 87)

d. Check Your Understanding #4: Weighed Down (Textbook p. 88)
Complete the following “Exercises” from the textbook p. 109.

2) Exercise #4

3) Exercise #5

4) Exercise #6

5) Exercise #9
6) Work Problem #1 in Textbook (p. 110)

7) Work Problem #2 in Textbook (p. 110)