HW 2

You should have read all of Chapter 1, and learned the definitions of key words (see p. 29). The info in Tables 1.4 and 1.5 should be memorized.

I'm sorry to make you memorize stuff, but in some ways this is like a foreign language class, and you just need to know certain words to be successful and efficient. Memorizing things doesn’t make you smarter, but it does allow you to solve more complex problems.

**Required Chapter 1 problems:**

2, 5, 12, 20, 28 a, 34, 40, 46, 50, 56, (you only need to know 1 in = 2.54 cm for English to metric conversions

**Required Chapter 2 problems:**

from sections 2.1, 2.3 and 2.4:

10, 18 (a and b) 20, 22, 24

**Plus:**

During the summer, your instructor is a potato farmer. My potatoes were harvested at a rate of 6.2 bushels per acre. My farm is 2.29 square miles. If I can make 1213 bags of potato chips with each bushel of potatoes, how many bags of chips was I able to produce this year?

Conversions you may need:

100 cm = 1 m  
1 inch = 2.54 cm (exactly)  
1×10^6µm = 1 m  
1 gallon = 3.785 L

1 acre = 43560 ft²  
1 mile² = 2.788×10⁷ ft²  
µ = 1/1,000,000 or 1×10⁻⁶

**Also:** GET TO WORK on "Ions to Memorize" Linked on website. These are easy points to earn, and painful to lose. Put them on flashcards, write them down over and over. Have your room mate, significant other or mom quiz you on them. Do whatever it takes. Don’t wait until later.