Required Pre Laboratory Assignment for Basic Laboratory Techniques.
The Pre Laboratory Assignment is due to your TA in lab before beginning this experiment.
If you need help with any of these exercises, see your instructor or TA ahead of time.

Safety: Never pipet by mouth. Do not force the pipet bulb onto the pipet. Do not dispose of any chemicals in the sink. Wear your safety goggles at all times.

Answer the following questions from "Basic Instructions for Laboratory Work" on page 10 of the lab manual.

1. What type of water should be used in all experiments, unless instructed otherwise?

2. At what temperature should an object be when it is to be weighed?

3. If you take more of a chemical reagent than needed, what should you do with the excess?

4. What should you NOT do with any excess reagent?

Read Experiment 1 and answer the following questions:

5. All mass measurements in this experiment are to be made to the nearest 0.1 milligram (mg). To how many decimal places does will you need to record each mass, in grams?

6. To what level of precision should all temperature readings be recorded?

7. What could happen if you try to force a pipet bulb on to the top of a pipet?

8. In a volumetric pipet, what level should the liquid be to ensure the correct volume?

9. Define the "Average Deviation from the Mean". Will this be a positive or negative value?

10. Read Sections 1.4 through 1.6 of Chapter 1 in your Chemistry 121 textbook. Complete Practice Exercises (not the Sample Exercises): 1.2 (a,b,c), 1.4 (a,b,c) and 1.11. These Practice Exercises are on pages 15 through 28 of your textbook. Show your work including any conversion factors and all units on the back of this page or on a separate piece of paper. If you do not show all work you will not receive credit.