

Density Pre-lab

1. Why is uncertainty more appropriate than error?
2. Which uncertainty is a large contributor to the error in an experiment?
3. What is precision?
4. How accurate are the analytical balances in the laboratory?
5. What is the equation Excel uses to calculate the standard deviation?
6. What is the purpose for taking multiple measurements?
7. In part A, how many mL of deionized water should be used?
8. How many density data sets are required from fellow students?
9. How much diet soda should be taken in part B?
10. In part C, how many grams should the unknown metal weigh?
11. How many questions are on the last page?

Prelab Notebook Preparation:

Fill out all of the header information you will need.

Write out a brief statement of purpose

Make a list of any key words from the lab manual that will help with theory

Write down any pertinent equations (chemical or mathematical). Define the variables.