

Name:  
Chemistry  
Date:  
Lab #

**Title** (Centered, clearly written, concise)

- I. Background Information: (2 point)** State the important concepts and definitions you need in order to complete the lab.
- II. Purpose: (3 points)** Make a statement of purpose or describe what you will investigate
- III. Hypothesis: (5 points)** An educated guess about what you think the results of the experiment will be. (This is often an if-then statement. For example, if the balloon is inflated, then it will have more mass than the uninflated balloon.)
- IV. Materials: (5 points)** List all equipment and materials, including specific quantities. Remember to include safety equipment like gloves, aprons, or goggles when necessary.
- V. Procedure: (5 points)** Make a list of the steps in the experiment. You may need to draw a labeled diagram of the apparatus or set-up.
- VI. Data/Observations: (10 points)**
  1. Qualitative Data: observations
  2. Quantitative Data: numbers/amounts, often listed in a table
- VI. Conclusion: (20 points)** In paragraph form, restate your purpose and hypothesis and explain how you completed the lab. Evaluate your hypothesis based on your data and state whether or not it was correct. Mention any possible sources of error or things that may have had an effect on the accuracy of your experiment. Explain what you learned and the conclusion you came to in your own words.