**Title:** Try to summarize what your experiment is about in one phrase.

* Example: “Measuring the Temperature and Pressure of a Gas Within a Container”

**Your Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date:** \_\_ / \_\_ / \_\_

**Abstract**: Write this last. This is a short summary of the entire lab report, including what questions you were trying to answer, what you did, and what you found.

**Introduction**: Short paragraph that describes the purpose of the experiment.

* State which questions you were trying to answer.
* Describe background knowledge about the experiment.

**Hypothesis**: A testable educated guess that attempts to explain a series of facts or a phenomenon. A hypothesis is developed *before* an experiment is conducted.

* Example: A dog can be trained to salivate when a human rings a bell.

**Methods**: Explain how you conducted the experiment. Include key information about your sample size, the instructions you gave people, any measurements you took, etc.

**Data**: What did you record when conducting your experiment? You may want to put this information in a chart.

**Results**: Analyze your data. What do your data mean in terms of your question? Was your hypothesis correct?

**Discussion**: Put your results into context. Explain your results in terms of what is already scientifically proven by other experiments and texts. What further questions might you research in the future? You should also discuss any mistakes you made or limitations in the experimental design and what impact those could have.

**Resources**: Include citations for any background or outside knowledge.

In general, you should try to be concise when writing lab reports.