Laboratory Write Up Rubric

Abstract

Write a summary of the experiment you’ve just completed. Tell me what you did, how you did it and what you found out.

Introduction

Include details of the information you have studied with regard to your investigation. Use notes, text and background information included in the lab handout. Discuss the purpose of the lab, observations that inspire experimentation, and the question(s) that you hope to answer.

Hypothesis

State a testable prediction.
Commonly stated as an (if, then) statement.
Many cases require multiple hypothesis, one for each variable being tested.

Procedures

List all steps involved in the lab
Include any specific techniques required, ie. Sterile/aseptic technique.
Others should be able to replicate the lab based upon your lab write up.

Data/Results

Labeled data tables.
Labeled graphs
  o Include labels for data
  o Include labels for axis
  o Include labels for units of measurement.
Labeled calculations
Labeled observations

Conclusion

Statement of rejection or support of hypothesis based upon a logical argument.
Explanation and evaluation of data.
Alternative explanations for findings.
Error assessment.
Indication of how this fits with current scientific models and theories