

The Six Steps of Scientific Method

- Observation
- Question
- Hypothesis
- Test/Experiment
- Results
- Conclusion

Parts of a Lab Report

- Materials
 - ✓ No secrets here, what will you need?
- Procedure
 - ✓ What will you do?
- Data
 - ✓ What did you observe?
- Calculations
 - ✓ What did we do with the data?

Parts of a Lab Report

- Title
 - ✓ Should be descriptive of the experiment
- Introduction
 - ✓ Why the experiment matters
 - ✓ observation
 - ✓ background
- Purpose
 - ✓ Question/hypothesis

Parts of a Lab Report

- Conclusion
 - ✓ Answers the question
 - ✓ Contrast against hypothesis or literature cited
 - ✓ Accepted value or percent error
 - ✓ Error analysis
 - ✓ Methods to improve experiment
 - ✓ What was learned
- Extensions
 - ✓ Next experiment