The Six Steps of Scientific Method

- Observation
- Question
- Hypothesis
- Test/Experiment
- Results
- Conclusion
Parts of a Lab Report

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

Next Experiment

• Extensions

• What was learned

• Methods to improve experiment

• Error analysis

• Accepted value or percent error

• Contrast against hypotheses or literature cited

• Answers the question

• Conclusion