

Name _____

Writing a Lab Report

1. **Purpose:** The purpose section is where you tell your reader the reason for conducting the experiment. This section should be three or four sentences long. If it's too short, it won't be clear why you're doing the lab.
2. **Hypothesis:** If _____, then _____.
The hypothesis is a single sentence that discusses how you will solve the problem. The statement after "if" is the independent variable. The statement after "then" is the dependent variable.
3. **Materials:** Your material section is very complete list of everything you used in your experiment. You need to indicate how much of each material will be used in the experiment as you know what you will need.
4. **Procedure:** This is a very clear, step-by-step list of things you plan on doing during the experiment. You should be very detailed so your experiment could be replicated by other scientists.
5. **Data:** This is the section where you write your data. Qualitative and quantitative data needs to be recorded.
6. **Analysis:** This is where you explain the meaning of your results. If you have a graph it will be displayed here. Use this section to explain why your hypothesis is right or wrong, based on the data you have taken.
7. **Conclusion:** Your conclusion needs the following: a sentence stating whether your hypothesis was disproven or not, if the hypothesis was disproven what you think went wrong, and a brief error analysis section.