

# Lab Report

Things need to be included in a report:

**Lab #, title, Data, Name, your partner's name** (1 Point)

**Statement of Purpose** (4 Points)

Please write, in your own words, the objective of this lab (what question are you asked to answer through the lab?). It should be about a paragraph. I am not expecting a long 'introduction', however, the point of the lab should be concisely stated.

**Procedure** (3 Points)

In this section, you should present the experimental procedure. Enough information needs to be included to allow others to repeat the experiment. You do not have to write out the whole thing; please reference the page number and the paragraphs of the lab manual.

**Data** (3 Points)

In this section, the data collected during the experiment should be presented in an organized manner. That is tables, charts. etc...

**Analysis** (5 Points)

This section is to show what you did with the data. Specifically, in this lab, it means that the kind of calculations you operated on the data to extract useful information to answer the questions asked in the lab. Since there may be a lot of data points, you just need to give me the sample calculations. For example, if you have 5 sets of data to be manipulated in a same manner. I want you to show me, throughly, what you did for one of them. Form there, I can assume that all the 5 sets of data were processed in the same way. It is important to present this section clearly.

**Result** (3 Points)

Here, you present the result of your analysis. Please do so in an organized manner, such as using tables.

**Conclusion and Discussion** (6 Points)

In this section, you interpret the result: what does the result mean respect to the the questions that you are asked to answer in the lab? How good is the result? Is there any inconsistency? What could have caused the errors?

**About Lab Notebook:**

You are not required to have a bound notebook. I recommend that you use loose sheets of paper to record data and notes from experiments so that you can attach it to your lab report.

**Note:**

No need to type this up, as long as your hand writing is legible.