**Lab Report Template**

**How to write a successful lab report in 6 steps**

1. Statement of the Problem:
* *What question(s) are you trying to answer?*
1. Background Information:
* *Include any preliminary observations or background information about the subject.*
* *Answer any questions provided by the teacher*
1. Hypothesis:
* *Write a possible solution for the problem in the form of an* ***if/then statement****.*
* *Make sure this solution is a complete sentence.*
* *Make sure the statement is specific and testable.*
1. Development:
* *Make a list of ALL items used in the lab.*
* *Write a paragraph or point-form steps (complete sentences) which explain the steps that need to be followed to complete the experiment.*
* *Your procedure should be written so that anyone else could repeat the experiment.*
1. Results (Data):
* *This section should include any data tables, observations, sketches or additional notes you make during the lab.*
* *All tables, graphs and charts should be labeled appropriately.*
* *This section may include an analysis – questions provided to make you explore your data in depth and help you draw conclusions.*
1. Conclusions:
* *Accept or reject your hypothesis.*
* *EXPLAIN why you accepted or rejected your hypothesis using data from the lab.*
* *Include a summary of the data – averages, highest, lowest, etc… to help the reader understand your results.*
* *Make sure to answer the problem you asked at the first of the lab if it was in the form of a question.*
* *Discuss possible errors that could have occurred in the collection of the data (experimental errors) – these errors should explore possibilities about why your data is different that another group’s data, or why there is variability within your own data set. This is a section designed to explore and discuss the concept of “controls” within your experiment.*