**Lab Experiment Template**

**Title**

 - A brief, concise, yet descriptive title

**Statement of the Problem**

 - What question(s) are you trying to answer?
 - Include any preliminary observations or background information about the subject

**Hypothesis**

 - Write a possible solution for the problem.
 - Make sure this possible solution is a complete sentence.
 - Make sure the statement is testable, an if-then statement is recommended to illustrate what criteria will support your hypothesis (and what data would not support the hypothesis).

**Materials**

 - Make a list of ALL items used in the lab. Alternatively, materials can be included as part of the procedure.

**Procedure**

 - Write a paragraph (complete sentences) which explains what you did in the lab as a short summary.
 - Add details (step-by-step) of your procedure in such a way that anyone else could repeat the experiment.

**Results (Data)**

 - This section should include any data tables, observations, or additional notes you make during the lab.
 - You may attach a separate sheet(s) if necessary.
 - All tables, graphs and charts should be labeled appropriately.

**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. Try not to copy your data here, you should summarize and reference KEY information.
 - List one thing you learned and describe how it applies to a real-life situation.

 - Discuss possible errors that could have occurred in the collection of the data (experimental errors).