**Lab Report Template/Proposal**

**Title**: \* a brief, concise, yet descriptive title (scientific)

**Problem**:

\* What question(s) are you trying to answer?

\* Include any preliminary observations

**Hypothesis**: (one sentence only)

\* Write a possible solution for the problem.

\* Make sure this possible solution is a complete sentence. (If…, then… because…)

\* Make sure the statement is testable, an if-then-because statement is required to illustrate what criteria will support your hypothesis (and what data would not support the hypothesis).

\* Cite Your Sources: APA Format (citationmachine.net or Google Scholar)

**Materials**:

\* Make a list of ALL items used in the lab.

**Safety Precautions**:

\* Include ALL safety concerns that are relevant to the procedures outlined below.

**Procedure**: (complete both bullets)

\* Add details (step-by-step) of your procedure in such a way that anyone else could repeat the experiment.

\* Write a paragraph (complete sentences) which explains what you did in the lab as a short summary.

**Results (Data)**:

\* This section should include any data tables, observations, or additional notes you make during the lab.

\* All tables, graphs and charts should be labeled appropriately. (Use departmental graphing guidelines.)

\* Analyze (make sense of) the data obtained during the lab.

**Conclusions**: (Written in paragraph form)

\* Accept or reject your hypothesis. (FIRST SENTENCE ALWAYS)

\* 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. DO NOT copy your data here, you should summarize and reference KEY information.

\* Discuss possible errors that could have occurred in the collection of the data (experimental errors)

\* List one thing you learned and describe how it applies to a real-life situation or application.

**Cite Your Sources**: APA Format (citationmachine.net or Google Scholar)