**Lab Report Guidelines**

1. **Problem (1 pt)**

* Problem is appropriately identified, relates to procedure and is written as a question (1 pt)

1. **Hypothesis (6 pts)**

* Written as If….Then….Because statement (2 pts)
* Independent, dependent and constant (3) variables are identified with units (3 pts)
* Hypothesis relates to problem and procedure (1 pt)

1. **Procedure (4 pts)** (only completed if student generated)

* Steps of the experiment is complete so it can be duplicated (2.5 pt)
* Steps in numbered format (0.5 pt)
* Labeled diagram is present for complex setups (1 pt)

1. **Data (3 pts)**

* All significant data is measured (1 pt)
* Data recorded neatly (table or chart) (1 pt)
* Data labeled with proper units (1 pt)

1. **~~Calculations (2 pts)~~**

* ~~ALL calculations are complete showing work (1 pt)~~
* ~~Calculations are appropriate with units (1 pt)~~

1. **Analysis (4 pts)**

* Complete and appropriate labeling with units (3 pts)
  + Title, x and y axis
* Graph form and scale is appropriate (1 pt)

1. **~~Questions (2 pts) (when applicable)~~**

* ~~Questions are answered correctly in complete sentences~~
* ~~Point value varies – dependent on amount of questions~~

1. **Conclusion (7 pts)**

* Discusses support or non-support of hypothesis through data analysis (2 pts)
* Based on knowledge (may be researched with citations) **WHY** did you see the results you did. If results were inaccurate explain what should’ve happened and why (2 pts)
* Relates valid sources of error (2-3) from data collection or lab procedure, how the errors affected the data and ways they could have been prevented (2 pt) (measuring, calculations are not valid sources of error)
* Explain it's importance in life or the unit of study (1 pts)

**Work Ethic and Presentation (3 pts) (Separately Graded: W.E.P.)**

* Lab is neat/organized and follows format (1 pt)
* Lab is turned in on the due date (2 pts) **Total \_\_\_\_/25 \_\_\_\_/3 (W.E.P.)**