**How To Write a Conclusion for a Lab Report**

Paragraph 1:

1. Restate your problem statement.
2. State if your hypothesis was supported or not supported.
3. Support this statement (#2) by using data.
4. Make sure you discuss how your independent variable affected your dependent variable. This is where you discuss theory: Apply what you have learned to this lab!!

Paragraph 2:

1. Was there anything that went wrong in your lab? (There is ALWAYS.) How did the errors affect your experiment?
2. Is there any way to make this lab better? (There is ALWAYS.)

**10 Required Elements of a Graph**

1. An appropriate type of graph (bar or line) is used
2. Appropriate starting points and intervals are used for each axes
3. There is a main title for the graph which clearly states the relationship between the axes
4. An appropriate scale is used on each axis depending on the range of data for that axis.
5. Axes are clearly labeled and include units of measure where needed
6. The independent variable is put on the X axis (horizontal) while the dependent variable is put on the Y (vertical) axis.
7. The data is plotted accurately.
8. An appropriate key or legend is part of the graph
9. Appropriate techniques such as color, texture, or clarifying labels are used to make the graph easier to understand.
10. The graph uses the entire paper
11. The graph is neat and presentable