**Rubric for Lab Reports**

Student Name: Grade:

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| CATEGORY | 4 - Excellent | 3 - Good | 2 - Satisfactory | 1 - Poor |
| Introduction | The purpose of the lab or the question to be answered during the lab is clearly identified and stated. The theme/topic is also clear and relates to the purpose of the lab. | The purpose of the lab or the question to be answered is identified, but is somewhat unclear. A theme/topic is present and relates to the purpose yet there are a few irrelevant statements. | The purpose of the lab or the question to be answered during the lab is partially identified, and is stated in a somewhat unclear manner. There is a theme present, but there is not enough information to predict the topic for the rest of the report. | The purpose of the lab or the question to be answered during the lab is erroneous or irrelevant. No theme is present. |
| Experimental Hypothesis/Predictions | Hypothesized relationship between the variables and the predicted results are clear and reasonable based on what has been studied. | Hypothesized relationship between the variables and the predicted results are reasonable based on general knowledge and observations. | Hypothesized relationship between the variables and the predicted results has been stated, but appears to be based on flawed logic. | No hypothesis has been stated. |
| Procedures & Materials | Methods are listed in clear steps and are in chronological order with the materials clearly identified as part of the procedure. | Procedures are listed in a logical order, but a few are incomplete and missing materials. | Procedures are listed and are not in a logical order or are difficult to follow. Many materials are missing from the paragraph(s). | Procedures do not accurately list the steps of the experiment. There are barely to any materials in the sentences. It does not make sense. |
| Results/Data | Professional looking and accurate representation of the data in tables and/or graphs. Graphs and tables are numbered, labeled and titled. The data is displayed in a very neat and organized manner. | Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled. The data is displayed in a somewhat neat and organized way. | Accurate representation of the data in written form, but no graphs or tables is presented. Data is not organized and is hard to read/understand. | Data is not shown OR is inaccurate. If data is present, it is sloppy and/or unorganized. |
| Discussion | The relationship between the variables is discussed and trends/patterns logically analyzed. Predictions are made about what might happen if part of the lab were changed or how the experimental design could be changed. | The relationship between the variables is discussed and trends/patterns are logically analyzed. There is little mention of predictions of what might happen if the experiment were to be changed. | The relationship between the variables is discussed but there is little to no patterns, trends or predictions being made based on the data. | The relationship between the variables is discussed in few to no sentences. There are no trends or patterns being identified as well as no predictions being made. |
| Conclusion | Conclusion includes whether the findings supported the hypothesis, possible sources of error, and what was learned from the experiment. | Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment. | Conclusion includes what was learned from the experiment in only a few sentences. | No conclusion was included in the report OR shows little effort and reflection. |