### 5th Grade Lab Report Rubric

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| **Category** | **Indicators of Mastery** | **Points Possible:** | **Points Earned:** |
|  | **Purpose** |   |   |
| **Question** | · Question is clearly stated. · Question is testable. | 5 |   |
|  | **Hypothesis** |   |   |
| **Hypothesis** | · Single sentence written in statement form.  If .. then.. or I think statement· Is testable and measurable. | 5 |   |
|  | **Experiment** |   |   |
| **Variables** |  · Independent Variable listed · Dependent Variable listed · Controlled Variable/Control listed | 6 |   |
| **Materials** | · All equipment and materials are listed. · Amount/quantity of each material included. · Size(s) of equipment.material included. · Not a numbered list. | 8 |   |
| **Procedures** | · Specific and clear/easy to understand. · Able to be duplicated. · Numbered steps. · Procedures include adequate sets of data and  trials.  | 8 |   |
|  | **Analysis** |   |   |
| **Table of Data** | · All possible observations/ measurements are included. · Observations/ measurements are  specific/descriptive.· Data table includes a title with both  variables. · Data is correctly organized and labeled.  | 8 |   |
| **Calculations** | · All formulas, measurements and work  provided. · Averages are used where appropriate. | 5 |   |
| **Graph** | · Appropriate type of graph made for the data.· Title reflects both variables. · Variables are on the correct axis and labeled  with units. · Numbered increments start at zero and are  equally spaced. · Data plotted correctly. | 5 |   |
|   | **Conclusion** |   |   |
| **Claim** |  · Addresses the question.· Rejects or accepts the hypothesis. | 4 |   |
| **Evidence****(3 statements)** | · Supports the claim.· Addresses all variables.· Compares Control with Independent Variable | 6 |   |
| **Reasoning****(why?)** | · Reasoning is sound.· Incorporates scientific vocabulary.· Identifies any potential errors that may have occurred. | 6 |   |
|  | **Language** |   |   |
| **Language Conventions** | · No errors in sentence structure. · No spelling/grammatical issues. · Proper use of Text Features (Bold, Italics, underline, etc.) | 6 |   |
| Teacher Comments: |  | PointsPossible:70 | Points Earned: |

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