Name: Period:

**Formal Lab Write-Up Rubric**

***Title***

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 0 | **Score** |
| Title is fluid and is a good indicator as to what the entire lab is about. | Title is a good indicator was to what the entire lab is about but is not fluid. | Title is not a good indicator as to what the lab is about and is not fluid. |  |
| Title includes topic, independent variable, and dependent variable. | Title includes two but not all three of topic, independent variable, and dependent variable. | Title does not include two or more of the topic, independent variable, and dependent variable. |  |

***Purpose Statement***

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 0 | **Score** |
| Clearly describes why the lab is being performed. Gives justification for the lab. | Describes why the lab is being performed. | Does not describe why the lab is being performed. |  |
| Clearly describes what the experimenter should learn from the lab. Gives outcomes for the lab. | Describes what the experimenter should learn from the lab. Outcomes not mentioned or poorly described. | Does not include what the experimenter should learn from the lab. |  |

***Background Information***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | 3 | 1 | 0 | **Score** |
| Includes all appropriate definitions. Is written in paragraph form.  | Includes most of the definitions. Is written in paragraph form.  | Includes some definitions.Not written in paragraph form.  | Does not include any definitions. Not written in paragraph form. |  |
| Includes all appropriate equations. | Includes most of the equations. | Includes some equations. | Does not include any equations. |  |
| Includes all appropriate units. | Includes most of the units. | Includes some units. | Does not include any units. |  |

***Materials***

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 0 | **Score** |
| Includes Lab Equipment section and has all equipment used in the lab. | Includes Lab Equipment section and has most equipment used in the lab. | Does not have a Lab Equipment section. |  |
| Includes Supply section and has all supplies used in the lab. | Includes Supply section and has most of the supplies used in the lab. | Does not have a Supply section. |  |

***Procedure***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | 3 | 1 | 0 | **Score** |
| Numerically lists the steps of the lab. | Numerically lists some steps of the lab. | Lists the steps of the lab but not numerically. | Does not include any steps. |  |
| Tells the reader what to do; does not include the use of pronouns. | Tells the reader what to do but occasionally has used pronouns. | Tells the reader what to do but regularly used pronouns. | Does not tell the reader what to do. |  |
| Specifically tells the reader the steps to follow. Does not leave out any steps that were performed. | Tells the reader the steps to follow but leaves out steps or is vague in description of steps. | Instructions have steps left out and are vague. | Does not give steps to complete the lab. |  |
| Describes what variables were/need to be constant. (Tells the distance walked.) | Vaguely identifies constants. | Does not identify constant variables.  | Does not identify constant variables.  |  |

***Observations***

|  |  |  |  |
| --- | --- | --- | --- |
| 5 | 3 | 0 | **Score** |
| Includes detailed observations of the lab. | Includes observations of the lab but is vague. | Does not include observation of the lab. |  |

***Data***

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 0 | **Score** |
| Includes all data that was collected in the lab. Does not include any additional information | Includes data that was collected from the lab; also includes calculations or is missing data. | Does not show collected data. |  |
| Includes appropriate units for each piece of collected data. | Includes units for each piece of data but units are incorrect. | Does not show units for each piece of collected data. |  |
| Includes data table with title, column headings and units.  | Includes table with some headings. | Does not include data table. |  |

***Calculations***

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 0 | **Score** |
| Includes all calculation that was needed in the lab. | Includes most of the calculations needed in the lab. | Does not have calculations |  |
| Includes one example of each calculation that was needed in the lab. | Includes most examples of each calculation that was needed in the lab. | Does not include examples of calculations. |  |

***Analysis***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | 3 | 1 | 0 | **Score** |
| Includes a detailed description of the results along with detailed explanations if results were strange. | Includes a description of the results but did not include details. Includes explanations if results were strange. | Includes a vague description of the results but no explanations. | Does not include an analysis of the calculations. |  |

***Conclusion***

|  |  |  |  |
| --- | --- | --- | --- |
| 2 | 1 | 0 | **Score** |
| Clearly restates the purpose | Vaguely restates the purpose. | Does not restate the purpose. |  |
| Summarizes the results (analysis) | Vaguely summarizes the results. | Does not summarize the results. |  |
| Compares results to purpose statement. | Vaguely summarizes the results to the purpose statement. | Does not compare the results to the purpose statement. |  |
| Relates the results to the real world. | Vaguely relates the results to the real world. | Does not relate the results to the real world. |  |
| Gives at least two ways the lab could be improved. | Gives one way the lab could be improved. | Does not give ways the lab can be improved. |  |

***Paper Presentation***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 | 3 | 1 | 0 | **Score** |
| Grammar – Contains proper English grammar with no mistakes. | Grammar – Contains proper English grammar with few mistakes. | Grammar – Contains proper English grammar with many mistakes. | Grammar – Hard to tell it is written in English it has so many grammar mistakes. |  |
| Spelling – There are no spelling mistakes. | Spelling – There are few spelling mistakes. | Spelling – There are many spelling mistakes | Spelling – Cannot read much of the paper because of spelling mistakes. |  |
| Neatness – Paper looks professional. Paper is typed.  | Neatness – Paper looks alright but folded, or has spot on it. Paper is typed.  | Neatness – Paper is very messy with creases and stains all over it. Paper is not typed.  | Neatness – Paper is not professional looking and is a mess.Paper is not typed. |  |

***Areas where Points can be Removed***

|  |  |  |  |
| --- | --- | --- | --- |
| -3 | -2 | -1 | **Score** |
| More than three categories are out of order. | Two or three categories are out of order. | One category is out of order. |  |
|  | (For each section)Section not labeled | (For each section)Section not clearly labeled |  |

Comments: **Final Grade: /103**