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| Lab Report Requirements | Proficient**(4 pts)** | Nearly Proficient**(3 pts)** | On the Path to Proficiency**(2 pts)** | An Attempt**(1 pt)** |
| Title/Purpose/Hypotheses | -Title/Purpose clearly stated-Hypotheses reflect lab's intent | -Title present- Purpose & hypothesis present, but do not reflect lab's intent | -Title present-Purpose or hypothesis missing | -Title does not reflect lab's purpose- Hypothesis and purpose missing |
| Materials/Methods(Responsibility 1) | A sketch of the experimental setup and brief description of what was done to accomplish the objective is clear enough so that the experiment could be reproduced  | A sketch and description of the experiment are included but are not clear enough so that the experiment could be reproduced. | Either the sketch or the description of what was done is missing from the report. | The sketch and description of what was done are both missing from the report, only materials listed |
| Data/Calculations/Graphs(Responsibility 2) | Data complete and is presented in computer generated tables. All proper units included. Graphs are clearly labeled & complete. A sample of all calculations is correctly presented in a neat, orderly fashion | Data is complete but not presented in a neat manner or is missing some proper unitsA sample of all calculations is present but:- includes minor errors OR-is not presented in a neat, orderly fashion OR-is missing formulas or units OR-graphs missing labels/labeled incorrectly | Data is incomplete (missing measurements, observations, or given information).Some sample calculations are missing from the lab report ORThere are some major errors in the calculations OR Missing some graphs or graphs drawn incorrectly | The calculations are in complete error or are missing from the report. ORThere are no graphs if graphs are required |
| Conclusion(Responsibility 3) | The conclusion includes a discussion of the results and cites specific evidence, includes experimental error, suggests methods of improvement, suggests new questions | The conclusion lacks one of the following:-citing of specific evidence-discussion of error-methods of improvements-suggests new questions | The conclusion lacks two of the following:-citing of specific evidence-discussion of error-methods of improvements-suggests new questions | The conclusion is grossly incomplete or is not present |

Instructions:

\*Each group member has one responsibility for the written lab report on a GoogleDoc.

\*Each section of the lab report will note whose responsibility it is.

\*That person's responsibility will be weighted x2 on their total grade.

\*The total grade will be out of 20 points total (4 points for each section, and one section (student's responsibility) multiplied by 2).

\*Each student is responsible for keeping their own lab notebook with data, sketches, notes, etc.

\*\*If a student does not contribute to the group, they will be required to write an entire lab report on their own!