

Speed Lab Write-up – Cover Sheet/Rubric

Student/Teacher

_____ Title (1 pt)

_____ Question (1 pt) – How does changing the (independent variable) affect the (dependent variable)? (fill in the blanks with **YOUR** variables)

_____ Hypothesis (1 pt) – If.... Then.... Because..... format

_____ Variables (total 7 pts)

Independent variable (1 pt)

Dependent variable (1 pt)

Constants – five (5 pts)

_____ Materials List (3 pts)

_____ Procedure – (4 pts) listed step by step and numbered

_____ Data Collection (total 9 pts)

Data table – (3 pts) showing repeated trials and averages, **include title**

Graph of averages

Title for graph – “The relationship between the (independent variable) and the (dependent variable)” (1 pt)

Label and unit for x-axis (2 pts)

Label and unit for y-axis (2 pts)

Correct scale for both axes (1 pt)

_____ Analysis (5 pts) – “The data shows....”

- Discuss what the data shows, using specific examples from your data.
- For every statement you make, you need to support it with an example from the data.
- Explain any problems you encountered (if any).

_____ Conclusion (5 pts)

- Restate purpose/question – “The purpose of this experiment was....”
- Restate hypothesis – “My hypothesis was....”
- State whether or not the data supported your hypothesis – “The data does/does not support....”
- Explain what did happen in the experiment with specific example(s) from data.
- Suggest further study/question

_____ Work Pride (4 pts) – Correct spelling, grammar and format

_____ **TOTAL (40 pts)**