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)