

Scientific Inquiry Rubrics:

Research Question: 1 point : *What is the effect of IV on DV?*

Titles: 1 point as part of Data Table and Graph: *The effect of IV on DV*

Hypothesis: 3 points:

1. *If then statement*
2. *IV and DV correctly placed*
3. *Makes a Measurable prediction*

Procedures: 5 points:

1. *Numbered*
2. *Vary the IV*
3. *Measure the DV*
4. *Keep constant variables constant*
5. *Multiple trials*

Data Tables: 4 points

1. *Title*
2. *IV and DV correctly placed and labeled*
3. *Data correctly placed*
4. *Average column correctly tabulated (if your experiment doesn't have averages then this would not be a point)*

Graphs: 4 points

1. *Title*
2. *IV and DV correctly placed and labeled*
3. *Numbering increments consistent*
4. *Data correctly plotted in best fit line or curve*

Conclusion: 7 points

1. 1pt: The data supports that when the IV increases/decreases the DV increases/decreases
2. 4pts: Gives 3 sets of actual data as proof (beginning, middle, and end)
3. 2pts: Gives at least 1 possible source of experimental error and at least 1 experimental improvement.