Investigation Scoring Guide

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| **Name:** | **Points** | **Notes for scoring** |
| Question | / 1 | How does \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ affect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |
| Hypothesis | / 2 | If…then…BECAUSE… |
| Manipulated (Independent) Variable (MV) | / 1 | Changes only 1 variable. Keeps the rest the same. |
| Responding (Dependent) Variable (RV) | / 1 | What is being measured (include units). |
| Controlled Variables | / 1 | At least three variables that stay the same. |
| Materials | / 1 | Be sure to include the amount of each material. |
| Procedure | / 5 | Make sure to infer the variables in the procedure. Logical steps, numbered list, record responding variable, and repeat trials. |
| Investigational Set-Up | / 4 | A LABELED diagram of what your experiment will look like. Show all conditions of the manipulated (independent) variable. |
| Data Table | / 4 | Neat, organized, and correctly labeled with units and title! |
| Graph (RULER or Computer) | / 5 | Title, labeled axis with manipulated and responding variables, even intervals and increments, appropriate graph, and accurately plot data. |
| Conclusion (Objective summary of results) | / 4 | Hypothesis Correct?, Answer question, High/low averages stating the RV of MV, Comparative statement |
| Discussion | / 5 | Scientifically explain results, report uncontrolled variables, reliability of data?, Overgeneralized or limited data?, I wonder… |
| **Total Score** | **/34** |  |