Introduction

Paragraph 1:

* + Contains information about WHY the experiment was done
    - The purpose of this experiment was to …………..

Paragraph 2:

* + Contains the hypothesis (If, then statement)
  + Contains information about the IV,DV, constants and controls.

Paragraph 3:

* + Why is this experiment important and to whom?
    - “Information on this topic is important because ………”

Materials

* Bulleted list of all the material needed for the experiment.

Procedures

* Procedures should be written in a clearly stated numbered list.

Data/Results

* + Tables
    - Correct Title
    - Derived values if appropriate (averages, percentages, etc)
    - Computer made (if specified by teacher)
  + Graphs- do not have to be in color
    - Title represents data in graph
    - Correct axes and labels
    - Computer generated (if specified by teacher)
    - Appropriate type of graph

Conclusion

Paragraph 1:

* Restate the purpose and why this information was important to know.

Paragraph 2:

* + Restate the hypothesis
  + Was the hypothesis supported or not supported?
  + Explain using only the DATA needed to show support for your hypothesis.

Paragraph 3:

* + What are the sources of error in the lab?
    - Explain why they are sources of error and how your experiment would be different if they did not occur.
  + What recommendations are there for future study?
    - Number of trials is NOT acceptable-due to time we will rarely have enough of these.

Paragraph 4:

* + Relate to material learned in class?
  + “The lab helped illustrate ………..”

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| --- | --- | --- |
| Report Item | Possible Points | Earned Points/Comments |
| Introduction | (15) |  |
| Background Information | 10 |  |
| Purpose of experiment | 5 |  |
|  |  |  |
| Hypothesis (if-then) | (10) |  |
| Written in if-then format | 5 |  |
| Testable | 5 |  |
|  |  |  |
| Materials | (5) |  |
| Materials listed | 5 |  |
|  |  |  |
| Procedures | (15) |  |
| Procedures clearly stated | 5 |  |
| Clearly stated measurement procedure | 5 |  |
| Control present | 3 |  |
| Multiple replicates | 2 |  |
|  |  |  |
| Data Table(design) | (15) |  |
| Organized | 5 |  |
| Readable | 5 |  |
| Complete | 5 |  |
|  |  |  |
| Graph | (15) |  |
| Title | 3 |  |
| Axis Labels | 4 |  |
| Key/Legend | 3 |  |
| Data plotted correctly | 5 |  |
|  |  |  |
| Conclusion | (25) |  |
| Summarizes results | 5 |  |
| Explains implications | 5 |  |
| Evaluates errors | 5 |  |
| Recommends improvement | 5 |  |
| Real life connection | 5 |  |
|  |  |  |
| Total Points | (100) |  |
|  |  |  |