

Lab Report Grading Sheet

Each component of the lab will be graded using the following scale:

0 - Criteria is missing

0.5- Criteria is partially completed

1- Criteria is fully completed

Experimental Design (11 pts)

SCORE

- The problem is clearly and specifically stated.
- The problem is measurable/testable
- The hypothesis is a statement predicting the experiment's outcome.
- Gives basis for hypothesis from either research or prior knowledge.
- Accurately states the manipulated and responding variables.
- Accurately states at least three constants.
- All materials and amounts needed to carry out procedure are in a bulleted list
- Procedure is written in steps; command form is used
- Procedure matches the stated problem while only changing one variable (MV)
- Procedure is written in a manner that can be easily reproduced.
- Procedure includes repeated trials and the control group.

Data Table/Observations (5 pts)

- Data table fits procedure; MV in left column; RV in the right column
- Columns are clearly and correctly labeled
- Correct units are placed in the column headings only
- All trials and averages are included.
- At least two factual observations are recorded

Graph (5 pts)

- Appropriate graph format (bar vs line) is used; only the average data is graphed.
- Contains a descriptive title in which both the MV and RV are included.
- MV and RV are on the correct axes.
- Both axes are labeled and contain the correct units
- Scaling on axes is accurate, even, and takes up most of the page.

Conclusion (6 pts)

- Restates the problem and hypothesis.
- States if the hypothesis was proved/disproved; states the conclusion
- Conclusion is supported with specific data (numbers) from results.
- Gives 2+ supporting statements about the validity of the results (errors).
- Gives 2+ supporting statements about how to improve the experiment.
- Addresses real-world application or future experimental questions

Format (1 pt)

- Lab report is typed in complete sentences and the graph is neatly hand drawn

Total Points: _____/28

Lab Report Grading Sheet

Each component of the lab will be graded using the following scale:

0 - Criteria is missing 0.5- Criteria is partially completed 1- Criteria is fully completed

Data Table (4 pts)

- Data table fits procedure; MV in left column; RV in the right column _____
- Columns are clearly and correctly labeled _____
- Correct units are placed in the column headings only _____
- All trials and averages are included. _____

Graph (5 pts)

- Appropriate graph format (bar vs line) is used; only the average data is graphed. _____
- Contains a descriptive title in which both the MV and RV are included. _____
- MV and RV are on the correct axes. _____
- Both axes are labeled and contain the correct units _____
- Scaling on axes is accurate, even, and takes up most of the page. _____

Conclusion (6 pts)

- Restates the problem and hypothesis. _____
- States if the hypothesis was proved/disproved; states the conclusion _____
- Conclusion is supported with specific data (numbers) from results. _____
- Gives 2+ supporting statements about the validity of the results (errors). _____
- Gives 2+ supporting statements about how to improve the experiment. _____
- Addresses real-world application or future experimental question _____

Format (1 pt)

- Lab report is typed in complete sentences and the graph is neatly hand drawn _____

Total Points: _____/16

Lab Report Grading Sheet

Each component of the lab will be graded using the following scale:

0 - Criteria is missing 0.5- Criteria is partially completed 1- Criteria is fully completed

Data Table (4 pts)

- Data table fits procedure; MV in left column; RV in the right column _____
- Columns are clearly and correctly labeled _____
- Correct units are placed in the column headings only _____
- All trials and averages are included. _____

Graph (5 pts)

- Appropriate graph format (bar vs line) is used; only the average data is graphed. _____
- Contains a descriptive title in which both the MV and RV are included. _____
- MV and RV are on the correct axes. _____
- Both axes are labeled and contain the correct units _____
- Scaling on axes is accurate, even, and takes up most of the page. _____

Conclusion (6 pts)

- Restates the problem and hypothesis. _____
- States if the hypothesis was proved/disproved; states the conclusion _____
- Conclusion is supported with specific data (numbers) from results. _____
- Gives 2+ supporting statements about the validity of the results (errors). _____
- Gives 2+ supporting statements about how to improve the experiment. _____
- Addresses real-world application or future experimental question _____

Format (1 pt)

- Lab report is typed in complete sentences and the graph is neatly hand drawn _____

Total Points: _____/16