Student Name
Date
Period:

Lab Title

Introduction: (paragraph format)

- The purpose of the lab is to....
- In this lab the manipulated variable is .... the responding variable is….
- My hypothesis is that if _____(this should reflect the manipulated variable)_____ then _____ (this should reflect the responding variable) _____ will happen.
- **My prediction was that…. (this is only necessary if the lab requires a prediction**.)

Procedure: This should be detailed enough for an intelligent 6th grader to follow without help.

1. Gather materials (list of materials needed with descriptions if necessary)
2. Step 2
3. …

Data Table/Graph: (appropriate for the type of data, could be bar, line, or circle)

Conclusion:

This lab was intended to find out if...

- Restate the purpose and hypothesis.
- Discuss your data, and how it either confirms or disproves your hypothesis. In other words, did your manipulated variable affect your responding variable, and how.
- If a prediction was made, discuss its outcome.
- If anything went wrong in your lab, discuss what happened and what you could have done to prevent it.

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You do not need to print THIS page

Lab Report:

You will prepare a lab report individually. Be sure that each member of the group has a copy of the data, reports will share data, but conclusions and writing are individual. Your report should use the following outline.

1. Introduction: (Includes hypothesis and purpose)
2. Procedure (explains how you will test it, pictures or illustrations can be used)
3. Data Table and/or appropriate graph
4. Conclusion: Make sure you use your data to answer the question. Remember it is up to you to determine if the responding variable was affected by your manipulated variable.

Use the grading rubric to check that you have all the parts of the lab report included. **You will type the report and submit a printed copy.**

Grading Rubric			
	Needs Work (1)	**Satisfactory (2)**	**Excellent (3)**
Introduction & Hypothesis	Experiment objective is not clear, hypothesis would be difficult to test; reader does not get a clear sense of what will happen in the experiment	Hypothesis is a testable statement, with a clear goal. Variables are included, or a statement that explains what tests will be conducted.	Clearly written as an if..then statement that can be tested in an experiment. Variables clearly stated and are separated with respect to the prediction.
Procedure	Procedure is lacking details, could not easily be repeated, missing sketches	Explanation of procedure is included; unclear at parts or missing sketch	Clear explanation shows how data was collected.
Data Tables	Data is minimal, disorganized, trends not evident, looks like a rough draft	Data is included, but parts may be difficult to read. Trends are not obvious. Some labels may be unclear.	Organized, each column or row is labeled, any reader can clearly see the trends in the data. Graphs
Conclusions	Concluding statements unclear or off topic. Data is not used to support statement or conclusions do not follow data.	Data is used to state an outcome of the experiment, supporting statements (data) unclear or missing elements, conclusion only partly follows data	The data is used to clearly state the outcome of the experiment; the hypothesis is either supported or rejected, conclusion follows data.