

SHS Science Lab Report Format (40 pts)

"Lab Title Goes Here" "Student Name"

READ THIS FIRST! *Your lab report should follow this format. Leave the headings and type in your information. All sections should be in complete sentences.*

Purpose/Objective: (2pts)

This section should list the purpose(s) or objectives(s) of the lab. Explain what you are trying to find out or do in this experiment.

Hypothesis: (2pts)

This section should state what you think you might find out in the experiment based on what you already know. It may be stated as an "if, then" statement OR as a stated prediction. You should also include a sentence or two about WHY you think this will happen. (Give some background information if applicable.)

Equipment: (2pts)

This should be a list of equipment needed in the experiment.

Procedure: (2pts)

This should be a step-by-step list of how to carry out the experiment.

Observations: (6pts)

*This shows the observations and/or measurements you made in the experiment and is often in the form of a **data table**.*

Questions/Analysis: (6pts)

*This section includes answers to all questions (if given by your teacher) As well as any **calculations/graphs** you make of your data.*

Conclusions: (14pts)

Use complete sentences in paragraph form. The conclusion should be AT LEAST 5-7 sentences but, depending on the lab, can be much longer.

- **1st sentence:**
 - Restate the PURPOSE of the lab.
- **3-8 BODY SENTENCES:**
 - State what you LEARNED from this experiment/activity
 - State your HYPOTHESIS.
 - Mention how RESULTS/DATA do or do not support the hypothesis.
 - Mention specific OBSERVATIONS/MEASUREMENTS.
 - Discuss any possible sources of ERROR/UNCERTAINTY that may have caused you to get inaccurate data.
- **Last sentence:**
 - CONCLUDING SENTENCE: Tell specifically what was learned from the lab in one sentence. *(DO NOT talk about feelings or how much you liked/disliked the lab)*

Reflection: (6pts)

This last section includes reflections about your experiment.

- 1)** How VALID do you think your results are from this lab based on experimental design procedures and sources of error? Explain!
- 2)** What would you do differently NEXT TIME to improve the lab?
- 3)** Write 1 QUESTION that you would like to test further after analyzing the results of this experiment (The question must be related to the lab and must be testable).