

Formal Scientific Lab Report Style

Lab #: (Enter the Lab #) Title of the Lab

Enter Date Experiment Was Completed

Your Name

Partner's Name

Partner's Name

Purpose: In your own words write the objective of the lab.

Materials: Not required unless specified by the teacher.

Procedure: Not required unless specified by the teacher.

Prelab: Include answers to your prelab in this section.

Observations: Any qualitative observations can be listed in this section. As well, all quantitative observations should be placed in a table and recorded in this section.

Calculations: If you had to complete any calculations during your lab, they should be completed in this section. In the case of repetitive calculations, a sample of each calculation is required. Calculations can be written in pencil.

Diagrams: Diagrams shall be completed in pencil and be included on a separate sheet of paper. Diagrams should show the apparatus in use and be labelled.

Graphs: Graphs should be completed in pencil and be included on a separate sheet of graph paper. All graphs shall be titled and labelled. Graphs should cover as much of the page as possible and the data for the graph must be included in the observation section.

Analysis: Number and answer all the questions in this section in detail.

Error: Any errors that you encountered will be explained here with a qualitative description of what they were and how they could be limited. If required, quantitative error analysis will be included in this section as well.

Conclusion: Your conclusion, which is not simply your purpose restated, will be here and should state whether or not you were able to complete the lab successfully. It should include data from the lab that will support or reject your purpose.

**** Unless indicated, all sections of the lab shall be completed in ink ****
**** Contractions shall not be used ****

Element	0	0.25	0.5	0.75	1
1. Layout	Did not follow formal layout	3 items out of order or missing	2 items out of order or missing	1 item out of order or missing	Proper layout
2. Purpose	No purpose	Purpose not related to lab	Purpose copied from lab sheet	Well written purpose	Extremely well written purpose
3. Materials	No material list		Materials list incomplete		All materials listed
4. Prelab	Prelab not completed	Prelab incomplete, several mistakes with no signature	Prelab complete, correct with no signature	Prelab complete, with mistakes, includes signature	Prelab complete, correct and includes signature
5. Observations	No observations	Some observations, poorly organized	Most observations, somewhat organized	Most observations, well organized	All observations, well organized
6. Calculations	No calculations	Most calculations incomplete	Most calculation incorrect	Some incorrect or missing calculations	Correct and complete calculations
7. Biological Drawings	/6	/6	/6	/6	/6
8. Graphs	No graph	Graph incorrect, missing information	Graph correct, with no labels	Graph correct, missing title	Graph correct
9. Sources of Error	No sources of error	Poorly written sources of error	Sources of error acceptable	Sources of error well written	Sources of error complete, well written and includes improvements
10. Conclusion	No conclusion	Conclusion restates purpose	Conclusion acceptable	Conclusion well written	Conclusion well written, includes empirical and theoretical information
11. Neatness	Very messy	Messy and disorganized	Neat but disorganized	Neat and organized	Extremely neat and organized
12. Analysis	Varies according to the lab report. Usually 1 pt per question.				