

Lab notebook grading rubric

Lab is entered in the table of contents = 1 point

Scientific question(s) is (are) stated = 2 points

Prelab = 5 pts.

	<u>Full Credit</u>	<u>4 points</u>	<u>3 Points</u>	<u>< 3 points</u>
Formal Hypothesis	Hypothesis is stated in the correct format, variables tested are easy to identify, predictive statement gives specific relationship of variables	1-2 difference(s) from full credit	3-4 differences from full credit	More than 4 differences from full credit
Specific data that will support hypothesis				

Data/Graphs = 10 pts.

	<u>Full Credit</u>	<u>9-8 points</u>	<u>7-6 points</u>	<u>< 6 points</u>
	All graphs and tables are given figure/table numbers and descriptive titles that fully explain the data being presented, axes are appropriately labeled with units, correct graphical format is chosen, axes scales are appropriate to data	1-2 differences from full credit	3-4 differences from full credit	More than 4 differences from full credit

Conclusion and Error Analysis = 15 points.

	<u>Full Credit "A"</u>	<u>Satisfactory "B"</u>	<u>Adequate "C"</u>	<u>Inadequate "D"</u>
Claim	Conclusion opens with restatement of hypothesis and statement of support or non-support (rejection) of hypothesis	1-2 differences from full credit	3-4 differences from full credit	More than 4 differences from full credit
Evidence	Specific trends or important points of data and observations from the lab are discussed with respect to their support or non-support of the hypothesis	1-2 differences from full credit	3-4 differences from full credit	More than 4 differences from full credit
Reasoning	Give an explanation of WHY you got the results that you did using correct terminology from class or your background research. This should focus on the overall idea of the laboratory and how your data reflects your hypothesis.	1-2 differences from full credit	3-4 differences from full credit	More than 4 differences from full credit
Errors	Describe one possible source of non-human error and how it may have impacted the data.	1-2 differences from full credit	3-4 differences from full credit OR HUMAN ERROR CITED	More than 4 differences from full credit