

Chemistry Lab Rubric

Lab Report Rubric – All laboratory investigations will use the following rubrics for grading.

	(5 pts)	(3 pts)	(2 pts)	(1 pt)	(0)
Introduction	<ul style="list-style-type: none"> Name, Date, Lab Partner Writes a statement of the purpose of the lab. States a hypothesis that is based on research and/or sound reasoning Title is relevant. Hypothesis (prediction) is testable. 	One of the "excellent" conditions is not met	Two of the "excellent" conditions is not met	Three of the "excellent" conditions is not met	
Procedure			A description or step-by-step list of how the experiment was performed	Description unclear, couldn't be repeated	
Observations / Results (data)	<ul style="list-style-type: none"> Graphs and tables are present Labeled correctly Results and data are clearly recorded, organized so it is easy for the reader to see trends. Written description present 	Results are clear and labeled, trends are not obvious,	Results are unclear, missing labels, trends are not obvious at all	Results are present, though too disorganized or poorly recorded to make sense of	
Analysis / Questions	<ul style="list-style-type: none"> All questions have been answered completely and thoroughly. Questions and answers are written 	Analysis somewhat lacking in insight, enough data, though additional data would be more powerful	Analysis lacking in insight, not enough data was gathered to establish trends, OR analysis does not follow data	Analysis poor, not enough data, inaccurate analysis	
Sample Calculation	<ul style="list-style-type: none"> Lab reports must contain at least one sample calculation of each type you are required to do. You should have the general formula used in the calculation. You should have the formula with the correct numbers & units included. Your answer should include the correct units and the correct number of significant figures. If there are no sample calculations write NONE 	One of the "excellent" conditions is not met	Two of the "excellent" conditions is not met	Three of the "excellent" conditions is not met	
Conclusions	<ul style="list-style-type: none"> Summarizes the essential data used to draw conclusions Conclusions follow data (not wild guesses or leaps of logic), Discusses applications of experiment ("real world" connections) Hypothesis is restated and rejected or accepted based on the data. 	One of the "excellent" conditions is not met	Two of the "excellent" conditions is not met	Three of the "excellent" conditions is not met	
Format	<ul style="list-style-type: none"> Followed instructions Proofread Neat/legible 		Neat, organized with headings, few spelling/grammar errors	Somewhat lacking in organization, multiple spelling/grammar errors, not neat	
Total					

Please note, if any section is missing from the lab report, the grade earned cannot be higher than 60%.