

RUBRIC FOR ASSESSMENT OF PRELIMINARY CHEMISTRY LAB REPORT

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 You are requested to detach this perforated page, "Rubric for Assessment of Preliminary Chemistry Lab Report" and attach it to your Laboratory Manual.

Facet of Research	Element of Report	No Evidence (0 %)	Unsatisfactory (B1) Not present, incomplete or inaccurate 10 – 12.6 m (50 – 63%)	Satisfactory (B2) Complete but not fully accurate & comprehensive 12.7 – 16.9 m (63.5 – 84.4%)	Highly Satisfactory (B3) Complete, accurate, comprehensive, & innovative 17 – 20 m (85 – 100%)
Embark and clarify	Pre-Lab	<input type="checkbox"/>	<input type="checkbox"/> Incomplete or major errors	<input type="checkbox"/> Pre-lab complete but not fully accurate	<input type="checkbox"/> Complete and accurate
	Aim	<input type="checkbox"/>	<input type="checkbox"/> Reproduces the given aim	<input type="checkbox"/> Aim stated but partially reflects the experiment	<input type="checkbox"/> Rephrased, clear and concise
Find and Generate	Results	<input type="checkbox"/>	<input type="checkbox"/> Incomplete observation, units not stated	<input type="checkbox"/> Complete observation, with some units missing	<input type="checkbox"/> Complete observation with all units stated
Evaluate and Reflect	Sample Calculation (applicable to selected experiments)	<input type="checkbox"/>	<input type="checkbox"/> Incomplete and inaccurate calculations	<input type="checkbox"/> Complete, but with some errors	<input type="checkbox"/> Complete and accurate calculations
Organize and Manage	Structure/Format of report	<input type="checkbox"/>	<input type="checkbox"/> Required structure not used completely	<input type="checkbox"/> Basic report structure evident but not coherent.	<input type="checkbox"/> Structure correct, highly coherent
Analyze and Synthesize	Discussion Questions and or Post-Lab Questions	<input type="checkbox"/>	<input type="checkbox"/> Incomplete or inaccurately attempted	<input type="checkbox"/> Complete with some errors	<input type="checkbox"/> Full and accurate justification of all data
	Conclusion and Data comparison (comparison with theoretical value and sources of error stated - applicable to selected experiments)	<input type="checkbox"/>	<input type="checkbox"/> Not relevant to aim and not supported by experimental data <input type="checkbox"/> Comparison of data lacks information	<input type="checkbox"/> Related to aim but not fully supported by experimental data <input type="checkbox"/> Data compared but without any credible reference	<input type="checkbox"/> Accurate reflection of aim and fully supported by experimental data <input type="checkbox"/> Data compared, referenced and well justified
Communicate	Citations (using American Chemical Society (ACS) format)	<input type="checkbox"/>	<input type="checkbox"/> Not all sources cited (manual, texts, other sources)	<input type="checkbox"/> The procedure and references are all cited but some format errors	<input type="checkbox"/> All references cited with no errors

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