

## RUBRIC FOR ASSESSMENT OF FOUNDATION CHEMISTRY LAB REPORT

Dear Student,  
 You are requested to detach this perforated page, "Rubric for Assessment of Foundation 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%)
<b>Embark and clarify</b>	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 (applicable to selected lab experiment)	<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
<b>Find and Generate</b>	Procedure	<input type="checkbox"/>	<input type="checkbox"/> Procedure changes not stated	<input type="checkbox"/> Procedure changes stated but partially correct	<input type="checkbox"/> Procedure changes noted clearly and correctly
	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
<b>Evaluate and Reflect</b>	Sample Calculation (applicable to selected lab experiment)	<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
<b>Organize and Manage</b>	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
<b>Analyze and Synthesize</b>	Discussion 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)	<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
<b>Communicate</b>	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