

Facet of Research	Element of Report	No Evidence	Below Benchmark Not present, incomplete or inaccurate	Benchmark Complete but not fully accurate, comprehensive or insightful	Above Benchmark Complete, accurate, comprehensive, and insightful/ innovative
Embark and clarify (6 marks)	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
	Title	<input type="checkbox"/> __	<input type="checkbox"/> Off track	<input type="checkbox"/> Reproduces given title	<input type="checkbox"/> Rephrased title
	Aim	<input type="checkbox"/> __	<input type="checkbox"/> Misses the purpose	<input type="checkbox"/> Aim stated but does not accurately reflect experiment	<input type="checkbox"/> Rephrased, clear, succinct
	Introduction	<input type="checkbox"/> __	<input type="checkbox"/> Introduction misses the point	<input type="checkbox"/> Reproduces the given introduction	<input type="checkbox"/> Finetuned, clear, succinct
<i>Find and Generate</i> (3 marks)	Procedure	<input type="checkbox"/> __	<input type="checkbox"/> Stated but incorrect	<input type="checkbox"/> Correct yet reproduces supplied procedure	<input type="checkbox"/> Finetuned, clear, succinct.
	Significant figures and decimal places	<input type="checkbox"/> __	<input type="checkbox"/> Attempted but commonly incorrect	<input type="checkbox"/> Significant figures and decimal places are mostly correct, except _____	<input type="checkbox"/> Without error
	Data accuracy	<input type="checkbox"/> __	<input type="checkbox"/> outside the limit of expected outliers	<input type="checkbox"/> data are within the limit of expected outliers, however are spread (lack precision)	<input type="checkbox"/> Accurate and precise, (suggesting quality bench skills)
<i>Evaluate and Reflect</i> (4 marks)	Verification of data accuracy and precision	<input type="checkbox"/> __	<input type="checkbox"/> Data verification is done poorly	<input type="checkbox"/> data is verified to assure quality, but lacking ... (repeated measurements, outlying data removal or _____)	<input type="checkbox"/> Data verification is thorough
	Methods adjustment	<input type="checkbox"/> __	<input type="checkbox"/> Adjustments to methods unspecified	<input type="checkbox"/> Adjustments to methods are specified	<input type="checkbox"/> Specified and justified
<i>Organize and Manage</i> (3 marks)	Structure of report	<input type="checkbox"/> __	<input type="checkbox"/> Required structure not used	<input type="checkbox"/> Title, aims, method, results and discussion are evident.	<input type="checkbox"/> Structure correct, highly coherent.
	Data representation	<input type="checkbox"/> __	<input type="checkbox"/> Not tabulated appropriately as _____	<input type="checkbox"/> Data appropriately tabulated with units, but could be improve by _____	<input type="checkbox"/> Appropriately tabulated with units
	Management	<input type="checkbox"/> __	<input type="checkbox"/> Late < 5 days	<input type="checkbox"/> Submitted on time	<input type="checkbox"/> On time and signed
<i>Analyze and Synthesize</i> (4 marks)	Data inclusions and exclusions	<input type="checkbox"/> __	<input type="checkbox"/> statement about data quality lacks relevance to data	<input type="checkbox"/> Any poor data or outlying data is treated accordingly and discarded or included data is justified	<input type="checkbox"/> Full and accurate justification of all data
	Statistical representation	<input type="checkbox"/> __	<input type="checkbox"/> Inappropriate statistics or	<input type="checkbox"/> Statistics are shown but not... (explained, justified...)	<input type="checkbox"/> Statistics explained and justified
	Replication	<input type="checkbox"/> __	<input type="checkbox"/> Repeat experiment stated but data lacking	<input type="checkbox"/> The experiment was repeated	<input type="checkbox"/> Additional results were more precise
	Data comparison	<input type="checkbox"/> __	<input type="checkbox"/> Comparison of data lacks information	<input type="checkbox"/> There is comparison of data obtained but not with specific local/international brands	<input type="checkbox"/> Includes other brands locally and internationally
<i>Communicate and Apply Ethically</i> (3 marks)	Citations	<input type="checkbox"/> __	<input type="checkbox"/> Not all sources cited (manual, texts, other students)	<input type="checkbox"/> The procedure and references are all cited but some format errors	<input type="checkbox"/> All references cited with no errors
	Text reproduction	<input type="checkbox"/> __	<input type="checkbox"/> Font, spacing or labelling problematic	<input type="checkbox"/> Font, spacing and labelling make report easy to read	<input type="checkbox"/> Labelling and titles highly polished
	Report clarity and argument	<input type="checkbox"/> __	<input type="checkbox"/> Arguments are not easily traceable/ clear	<input type="checkbox"/> The report's arguments are traceable but not always clear to follow	<input type="checkbox"/> Chrystal clear
	Grammar and spelling	<input type="checkbox"/> __	<input type="checkbox"/> Typo-graphical and grammatical errors impair interpretation	<input type="checkbox"/> Some incidence of typo-graphical and grammatical errors, but do not impair interpretation	<input type="checkbox"/> No errors