

Lab Report Rubric

Criteria	0 None	1 Poor	2 Average	3 Good
Introduction What is the lab about, what is the purpose or objective of the lab? Why are you doing this lab, what do you hope to learn? What is your hypothesis for this lab?	No introduction	Introduction includes a purpose statement and hypothesis but fails to sufficiently introduce or define the scientific concept being studied.	Introduction states the problem or scientific concept being studied in the experiment.	Introduction effectively defines the research problem and states the question, successfully establishes the scientific concept of the lab, and states a hypothesis and provides logical reasoning for it.
Materials Materials used and location of study	No materials list	Materials list is incomplete	Materials list is too general or not well-presented.	Materials list is specific, clear, and well-organized.
Methods Who was involved in the lab? Where did you conduct the lab? What was the time and date of the lab? A step-by-step procedure.	No methods section	Procedure is incomplete, missing steps, or a diagram of the apparatus.	Procedure is present but is not sufficiently detailed for replication of the experiment.	Procedure is clear, precise, and detailed allowing for replication of the experiment. A diagram of the apparatus is included.
Results Presentation of data (tables, figures go here) Graphs (as appropriate)	No results presented	Results section contains general observations or measurements. Results are given, but are ineffectively organized. Insignificant support is present for the data presented.	Results section contains general observations or measurements but lacks details or precision. Results are ineffectively organized. Insufficient support is present for the data presented.	Results section opens with an effective summary statement, includes detailed observations or precise measurements which are presented in a clear and understandable format.

<p>Discussion Summarize what you did. Interpretation of the results. Abnormalities or odd results? Errors? Significance of the results. Lesson(s) learned? Application of the lesson? Implications for future work? Unanswered questions? New questions?</p>	<p>No discussion section</p>	<p>Discussion section addresses hypothesis and presents the chemistry involved in the experiment.</p>	<p>Discussion section addresses hypothesis, presents the chemistry involved in the experiment, and addresses inconsistencies in the results.</p>	<p>Discussion section opens with effective statement regarding original hypothesis, provides sufficient and logical explanation for the statement, citing work done and results obtained during the experiment. Sufficiently explains the chemistry involved in the experiment. Properly addresses inconsistencies in results. Sufficiently addresses other issues pertinent to lab. Demonstrates an ability to apply the lesson of the experiment to other situations or questions.</p>
<p>Presentation Report is written in scientific style: clear and to the point. Grammar and spelling are correct.</p>	<p>Multiple grammar, spelling, and punctuation errors make the lab report difficult to read or understand.</p>	<p>Lab report contains several grammar, spelling, or punctuation errors but is still readable and understandable.</p>	<p>Lab report contains one or two minor grammar, spelling, or punctuation errors but is still easy to follow and understand.</p>	<p>Lab report is well-written, free of any grammar, spelling, or punctuation errors.</p>
<p>Lab experiment Lab process</p>	<p>The lab was not conducted; no attempt was made.</p>	<p>The lab was completed but significant parts were skipped or left out.</p>	<p>The lab was completed, but was filled with problems or errors.</p>	<p>The lab was completed as assigned.</p>