

	Experimental Overview	Data and Analysis	Conclusions	Organization	Mechanics and Conventions
	<i>The extent to which the report establishes the main purpose of the experiment, provides a testable hypothesis, and outlines a method for achieving these goals</i>	<i>The extent to which the report demonstrates an accurate, clear, and organized presentation of the information gathered during the lab procedure</i>	<i>The extent to which the report demonstrates a thorough conclusion</i>	<i>The extent to which the report follows the lab report guidelines</i>	<i>The extent to which the report demonstrates control of conventions, including paragraphing, grammar, punctuation, and spelling</i>
Weight	20	30	30	10	10
6	<p>Very Effective The purpose of the lab and the hypothesis to be tested during the lab are clearly identified and stated. Procedures are listed in clear steps. Each step is a complete sentence.</p>	<p>Very Effective Graphs are labeled properly and neatly displayed. Trends/patterns in the data are identified and discussed.</p>	<p>Very Effective The hypothesis is evaluated effectively, with use of data to support the conclusion. Recommendations on how to improve the experiment are included.</p>	<p>Very Effective The lab report effectively follows all lab report guidelines. It includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing. Paragraphs include appropriate connections between concepts and are not simply restatements of the questions from the lab report guide.</p>	<p>Very Effective There are no errors in grammar, mechanics, punctuation, and spelling.</p>
5	<p>Good The purpose of the lab and the hypothesis to be tested during the lab are clearly identified and stated. Procedures are listed in a logical order, but steps are not in complete sentences.</p>	<p>Good Graphs are present but not labeled properly and/or neatly displayed. Trends/patterns in the data are identified and discussed.</p>	<p>Good The hypothesis is evaluated but without the use of data as support. Recommendations on how to improve the experiment are included.</p>	<p>Good The lab report effectively follows most of the lab report guidelines but is missing one of the following expectations: The lab report includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing. Paragraphs include some appropriate connections between concepts and are not simply restatements of the questions from the lab report guide.</p>	<p>Good There are few errors in grammar, mechanics, punctuation, and spelling, and they do not interfere with the content of the report.</p>
4	<p>Adequate The purpose of the lab or the hypothesis to be tested is written in a somewhat unclear manner. Procedures are listed in a logical order, but steps are not in complete sentences.</p>	<p>Adequate Graphs are labeled properly and neatly displayed. Trends/patterns in the data are identified incorrectly.</p>	<p>Adequate The hypothesis is evaluated effectively, with use of data to support the conclusion. Recommendations on how to improve the experiment are not included.</p>	<p>Adequate The lab report effectively follows most of the lab report guidelines but is missing two of the following expectations: The lab report includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and</p>	<p>Adequate There are some errors in grammar, mechanics, punctuation, and spelling, and they do not significantly interfere with the content of the report.</p>

Rubric (continued)

				demonstrates strong scientific reasoning and writing. Paragraphs include responses from lab report guide but do not connect them effectively.	
3	<p>Limited The purpose of the lab and/or the hypothesis are partially identified and stated in a somewhat unclear manner. Procedures are listed but are not in a logical order or are difficult to follow.</p>	<p>Limited Graphs are labeled properly and neatly displayed. Trends/patterns in the data are missing.</p>	<p>Limited The hypothesis is evaluated but without the use of data as support. Recommendations on how to improve the experiment are not included.</p>	<p>Limited The lab report follows some of the lab report guidelines but is missing three of the following expectations: The lab report includes all major elements of a lab report, meets the teacher's content and format expectations, is clearly organized and formatted, and demonstrates strong scientific reasoning and writing. Paragraphs include responses from lab report guide but do not connect them effectively.</p>	<p>Limited There are several noticeable errors in grammar, mechanics, punctuation, and spelling that may interfere with the content of the report.</p>
2	<p>Minimal The purpose of the lab or the hypothesis to be tested during the lab is incorrect or irrelevant. Procedures do not accurately list the steps of the experiment.</p>	<p>Minimal Graphs are present but not labeled properly and/or neatly displayed. Trends/patterns in the data are missing.</p>	<p>Minimal The hypothesis is stated but not evaluated. Recommendations on how to improve the experiment are not included.</p>	<p>Minimal The lab report contains the major elements of a lab report, but it is disorganized and lacks scientific reasoning.</p>	<p>Minimal There are patterns of errors in grammar, mechanics, punctuation, and spelling that substantially interfere with the content of the report.</p>
1	<p>Inadequate The purpose of the lab and the hypothesis to be tested during the lab are not stated, and no procedure is listed.</p>	<p>Inadequate Graphs are not present. Trends/patterns in the data are missing.</p>	<p>Inadequate The evaluation of the hypothesis, references to the data, and recommendations are absent.</p>	<p>Inadequate The lab report lacks all major elements of a lab report, does not meet the teacher's content and format expectations, is not clearly organized and formatted, and does not demonstrate strong scientific reasoning and writing.</p>	<p>Inadequate The errors in grammar, mechanics, punctuation, and spelling are so severe that they significantly interfere with the content of the report.</p>