

**Scoring rubrics.**

<b>Scoring rubric part 1: Overview of student work</b>							
	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>Multiplier/total</b>
<b>Objective</b>	Objective clearly stated in detail.	Objective clearly stated.	Objective is not clearly stated.			Objective is absent.	<b>x1=</b> _____
<b>Procedure</b>	Clearly and concisely outlines steps in own words. Analyst could easily repeat steps from procedure.	Clearly outlines steps, using own words. Knowledgeable analyst could repeat.	Outlines steps using own words. Difficult to repeat due to unclear or missing information.	Outlines steps using own words. Impossible to repeat due to unclear or missing information.	Copied from assignment.	No procedure present.	<b>x3=</b> _____
<b>Data collection</b>	Complete observations are recorded in a clear and orderly manner, with clear labeling.	Complete observations are recorded in a clear and orderly manner.	Some observations are recorded in a clear and orderly manner, with clear labeling.	Some observations are recorded in a clear and orderly manner.	Observations are incomplete or not orderly.	No data is recorded.	<b>x3=</b> _____
<b>Illustration</b>	Illustrations of all required observations are clearly labeled and drawn with effort and care.	Illustrations of all required observations are present, but not clearly labeled or not drawn with much care.	Illustrations of all required observations are present, but not clearly labeled nor drawn with much care.	One observation missing. Illustrations drawn with care and clearly labeled.	One observation missing. Illustrations not clearly labeled or drawn with care.	More than one observation missing. Illustrations not clearly labeled or drawn with care.	<b>x3=</b> _____
<b>Analysis</b>	Data and observations concisely summarized. Any unexpected data is addressed and explored. Possible sources of error are discussed.	Data and observations summarized. Any unexpected data is addressed. Possible sources of error are discussed.	Data is summarized. Possible sources of error are discussed.	Data is summarized.	Data is not summarized, but simply listed or repeated.	There is no analysis.	<b>x3=</b> _____

<b>Conclusion</b>	Background knowledge and data from analysis are synthesized to draw a conclusion related to the objective.	Background knowledge and data from analysis are synthesized to draw a conclusion.	Data is used in synthesizing the conclusion, but background knowledge is not.	Data summary is not used to synthesize conclusion.	.	There is no conclusion.	$x2=$ _____
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<b>Scoring rubric part 2: Notebook conventions</b>							
	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>Multiplier/total</b>
<b>Use of scientific language</b>	Objective, scientific writing throughout document. Correct use of all terms.	Objective scientific writing throughout document.	Occasional use of nonobjective language.	Nonobjective language used extensively in one section of the write-up.	Nonobjective language used throughout. Occasional informal language used.	Informal language used throughout write-up.	$x2=$ _____
<b>Notebook conventions</b>	<p>All entries are in blue or black ink.</p> <p>All changes marked correctly:</p> <ul style="list-style-type: none"> <li>• Notebook #</li> <li>• Title</li> <li>• Page continued from and to is on all pages</li> </ul> <p>All pages signed and dated in correct format.</p>	<p>Three or fewer changes marked incorrectly.</p> <p>One element missing:</p> <ul style="list-style-type: none"> <li>• Notebook #</li> <li>• Title</li> <li>• Page continued to/from.</li> </ul> <p>All paged signed and dated.</p>	<p>Four to six changes marked incorrectly.</p> <p>Two elements missing:</p> <ul style="list-style-type: none"> <li>• Notebook #</li> <li>• Title</li> <li>• Page continued to/from</li> </ul> <p>One page missing signature or date.</p>	<p>Seven to nine changes marked incorrectly.</p> <p>Three elements missing:</p> <ul style="list-style-type: none"> <li>• Notebook #</li> <li>• Title</li> <li>• Page continued to/from</li> </ul> <p>More than one missing signature and date.</p>	<p>Ten to 12 changes marked incorrectly.</p> <p>Four elements missing:</p> <ul style="list-style-type: none"> <li>• Notebook #</li> <li>• Title</li> <li>• Page continued to/from</li> </ul> <p>More than two missing signatures or dates.</p>	<p>Entries are in other than blue or black ink.</p> <p>Thirteen or more changes marked incorrectly.</p> <ul style="list-style-type: none"> <li>• Five or more elements missing: Notebook #</li> <li>• Title</li> <li>• Page continued to/from</li> </ul> <p>Missing more than three signatures or dates.</p>	$x2=$ _____

