

NAME: \_\_\_\_\_

**BRMS SCIENCE LAB REPORT RUBRIC**

Overall Lab Report Score \_\_\_\_\_

	<b>Exceeding the standard (4)</b>	<b>Mastery of the Standard (3)</b>	<b>Near Mastery of the Standard (2)</b>	<b>Beginning Level of the Standard (1)</b>
<b>PURPOSE</b> <i>4 points</i>	Uses scientific vocabulary to accurately explain to the read the purpose of the lab	Uses a complete sentence to accurately explain to the reader the purpose of the lab	Purpose statement is not accurate or is not complete	Purpose statement is confusing to the reader or is not related to the lab
<b>HYPOTHESIS</b> <i>4 points</i>	Prediction is reasonable and demonstrates insightful thinking	Prediction is reasonable	Prediction is not reasonable	Prediction is confusing or unrelated to the lab
<b>PROCEDURE</b> <i>8 points</i>	<ul style="list-style-type: none"> <li>- Includes everything listed in "meeting the standard"</li> <li>- Includes detailed, labeled diagrams where appropriate</li> <li>- Includes safety tips</li> </ul>	<ul style="list-style-type: none"> <li>-States, in a clear logical order, the steps taken to complete the lab</li> <li>-Steps include enough detail to make the lab repeatable</li> <li>- Procedure clearly shows controls and variables</li> <li>- Includes a list of necessary materials</li> </ul>	<u>Procedure is:</u> <ul style="list-style-type: none"> <li>-Unorganized</li> <li>-Lacks enough detail to be repeatable</li> <li>-Missing materials</li> </ul>	Procedure is incomplete, confusing and/or has missing materials
<b>DATA and/or OBSERVATIONS</b> <i>8 points</i>	<ul style="list-style-type: none"> <li>-Includes everything listed in "meeting the standard"</li> <li>- Student goes above and beyond by summarizing results</li> </ul>	<ul style="list-style-type: none"> <li>-Data is represented in an organized table, graph, illustration, etc.</li> <li>-Data is accurate</li> <li>-Units/Labels are included</li> <li>-Calculations, when appropriate, are shown</li> </ul>	<ul style="list-style-type: none"> <li>-Some data is missing, unorganized or incomplete</li> <li>-units/labels are missing</li> <li>-Calculations, when appropriate, are missing</li> </ul>	<ul style="list-style-type: none"> <li>-Most data is missing</li> <li>-Data is incorrect</li> <li>-Most units/labels are missing</li> <li>-Most calculations, when appropriate, are missing</li> </ul>

OVER→

<p><b>CONCLUSION (APPLICATION and ANALYSIS)</b> 8 points</p>	<ul style="list-style-type: none"> <li>- Includes everything listed in “meeting the standard”</li> <li>- Discusses how errors could affect the outcome of the lab</li> <li>- Includes information not presented in class</li> <li>- Contains new questions about the topic and/or suggestions to improve or further build upon the experiment</li> </ul>	<ul style="list-style-type: none"> <li>- Answers the purpose question clearly</li> <li>- Claims are supported with examples and evidence</li> <li>- States whether the hypothesis is supported by the lab data</li> <li>- Demonstrates that the student clearly understands all major concepts associated with the lab</li> <li>- Discusses/Identifies relevant errors in the lab</li> <li>- Applies information from the real world and uses scientific vocabulary</li> </ul>	<ul style="list-style-type: none"> <li>- Does not answer the focus question accurately</li> <li>- Evidence to support claims is not taken from own lab data</li> <li>- Demonstrates that the student understands some concepts associated with the lab</li> <li>- Limited use of scientific vocabulary</li> </ul>	<ul style="list-style-type: none"> <li>- Does not answer focus question</li> <li>Evidence does not support claim or missing altogether</li> <li>- Demonstrates that the student does not understand concepts associated with the lab</li> <li>- Possible errors in the lab are not discussed</li> <li>- No related scientific vocabulary used</li> </ul>
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