

### Student Scientific Explanation Rubrics

<b>Component: CLAIM</b>		
<b>Level</b>	<b>Criteria</b>	<b>Clarification</b>
2	<p><b>Accurate Claim</b> Has written a complete sentence that accurately answers the focus question.</p>	<ul style="list-style-type: none"> <li>• Needs to mention all 3 states of matter</li> <li>• Needs to mention both light and sound</li> </ul>
1	<p><b>Partial Claim</b> Has written a complete sentence but it does not fully answer the focus question</p>	<ul style="list-style-type: none"> <li>• Does not state a complete sentence to answer the question or doesn't completely answer the focus question</li> <li>• Includes additional information beyond just the claim that is accurate</li> </ul>
0	<p><b>Inaccurate Claim or No Claim</b> Does not any components of the focus question or writes nothing. Provides additional inaccurate information.</p>	<ul style="list-style-type: none"> <li>• No mention of states of matter and/or sound and light</li> <li>• They did not give a claim at all.</li> </ul>

<b>Component: EVIDENCE</b>		
<b>Level</b>	<b>Criteria</b>	<b>Clarification</b>
3	<p><b>Outstanding Detail</b> Provides all 3 pieces of evidence and includes detail.</p>	<ul style="list-style-type: none"> <li>• Needs to include the following specific data: how all 3 states of matter affects sound and light</li> </ul>
2	<p><b>Some Detail</b> Provides 2 pieces of accurate evidence and includes detail.</p>	<ul style="list-style-type: none"> <li>• Includes 2 of the data necessary above</li> </ul>
1	<p><b>Little/No Detail</b> Provides only 1 piece of accurate evidence and includes detail.</p> <p style="text-align: center;">AND/OR</p> <p>Provides 1 or more pieces of evidence that is not detailed.</p>	<ul style="list-style-type: none"> <li>• Includes 1 of the data necessary above</li> </ul>
0	<p><b>No Evidence or Inappropriate Use of Evidence</b> Does not provide any evidence.</p>	<ul style="list-style-type: none"> <li>• Nothing written</li> <li>• Provides incorrect evidence.</li> </ul>

<b>Component: REASONING</b>		
<b>Level</b>	<b>Criteria</b>	<b>Clarification</b>
3	<b>Accurate and Complete Reasoning</b> Accurately and completely answers both reasoning statements	<ul style="list-style-type: none"> <li>Needs to answer both prompts</li> <li>Needs to answer both with scientific accuracy based on the class discussion</li> </ul>
2	<b>Complete Reasoning</b> Answers both reasoning statements but not accurately AND/OR Answers one statement and it is accurate	<ul style="list-style-type: none"> <li>Needs to answer both with little accuracy</li> <li>Needs to answer at least one with complete accuracy</li> </ul>
1	<b>Partial Reasoning</b> Only answers one reasoning statement and it is inaccurate as well	<ul style="list-style-type: none"> <li>Needs to answer one with little accuracy</li> </ul>
0	<b>No Reasoning/ Inaccurate Reasoning/Incomplete Reasoning</b> Merely restates the evidence	<ul style="list-style-type: none"> <li>Nothing written</li> <li>Just provides more evidence.</li> </ul>