

Learning Goals and Scales  
2014-2015

**Rigorous Learning Goal/Scale**

<b>Course:</b>	<b>Chemistry: Unit 4: Behavior of Gases</b>
<b>Score 4</b> Additional Success with the complex content and concepts—inferences, novel applications	<b>In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.</b>  Students make an inference beyond what was explicitly taught.
<b>Score 3</b> Mastery of complex content and concepts of learning goal	<b>LEARNING GOAL: The student will be able to:</b>  Relate gas pressure to the number of gas particles and the motion of these particles.  <b>Skills:</b> <ul style="list-style-type: none"> <li>• relate gas pressure to volume, temperature, and the number of gas particles.</li> <li>• Explain how certain devices can measure gas pressure.</li> <li>• Define the units of pressure.</li> <li>• Explain atmospheric pressure and show students how dimensional analysis is used to convert units of pressure. <b>Student makes no major errors or omissions regarding the score 3 content</b></li> </ul>
<b>Score 2</b> Success with simpler content—vocabulary, foundational skills	<b>The student will recognize or recall specific vocabulary or basic content, such as:</b> <ul style="list-style-type: none"> <li>• Recognizes or recalls basic terminology such as: Units of pressure</li> <li>• Recognizes or recalls accurate examples changes in gas pressure and the affects on temperature.</li> </ul> <b>Student makes no major errors or omissions regarding the score 2 content</b>
<b>Score 1</b> Partial success with help	<b>With help, student achieves partial success at score 2 content and/or score 3 content</b>
<b>Score 0</b> No success even with help	<b>Even with help, no success.</b>