

Learning Goals and Scales  
2014-2015

**Rigorous Learning Goal/Scale**

| <b>Course:</b>  | <b>Chemistry: Unit 3: Stoichiometry Problems</b>   |
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| <b>Score 4</b><br>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><br><br>Students make an inference beyond what was explicitly taught.  |
| <b>Score 3</b><br>Mastery of complex content and concepts of learning goal                                | TARGET LEARNING GOAL: The student will describe and explain how energy impacts the behavior of individual particles.<br><br>Identify the conservation of atoms in chemical reactions using stoichiometry calculations.   |
| <b>Score 2</b><br>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>• molecule, formula unit, mole</li><li>• identify the ratio of mole:mole</li><li>• identify relationships between moles, molar mass, Volume, and particles.</li></ul><br>Student makes no major errors or omissions regarding the score 2 content |
| <b>Score 1</b><br>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><br>No success even with help   | <b>Even with help, no success</b>  |