

Tanker Implosion Final Model Scoring Rubric

Name: _____ Date: _____ Period: _____

LT: I can explain the tanker phenomenon in terms of molecular movement and pressure.

ACCOMPLISHED (6 / 5)	SUFFICIENT (4)	NOT YET MEETS (3/ 2/ 1/ 0)
<p><u>For a (5):</u></p> <p><input type="checkbox"/> All items in “Sufficient” column are checked off.</p> <p>AND</p> <p><input type="checkbox"/> Includes all useful terms (temperature, motion of molecules, number of molecules, spacing of molecules, condensation and air pressure)</p> <p><input type="checkbox"/> Craftsmanship is “Accomplished” – The requirements for “sufficient” are met, drawings are exceptional, AND spelling and grammar conventions are correct.</p> <p><u>For a (6):</u></p> <p><input type="checkbox"/> All of the above are checked off.</p> <p>AND</p> <p><input type="checkbox"/> Includes a well thought out 5-7 sentence paragraph accurately answering the challenge application question.</p> <p><input type="checkbox"/> Paragraph begins with a clear topic sentence telling what the paragraph will discuss.</p> <p><input type="checkbox"/> Paragraph includes 3-5 supporting sentences using technical language that explains the phenomenon and supports the topic sentence.</p> <p><input type="checkbox"/> Paragraph ends with a concluding sentence which summarizes the information in the paragraph.</p>	<p><input type="checkbox"/> Diagrams of tanker car before and during the implosion are correctly labeled with arrows showing differences in the relative pressure.</p> <p><input type="checkbox"/> Diagrams of tanker car before and during the implosion are correctly labeled with circles denoting difference in molecular movement.</p> <p><input type="checkbox"/> Well thought out 5-7 sentence paragraph accurately explaining why the tanker imploded.</p> <p><input type="checkbox"/> Paragraph begins with a clear topic sentence telling what the paragraph will discuss.</p> <p><input type="checkbox"/> Paragraph includes 3-5 supporting sentences using technical language that explains the phenomenon and supports the topic sentence.</p> <p><input type="checkbox"/> Paragraph ends with a concluding sentence which summarizes the information in the paragraph.</p> <p><input type="checkbox"/> Craftsmanship is “Sufficient”- Handwriting is neat and readable. Spelling and grammar conventions are mostly correct. Sentences all begin with capital letters and end with proper punctuation.</p>	<p><input type="checkbox"/> Diagrams of tanker car before and during the implosion are not correctly labeled with arrows showing differences in the relative pressure.</p> <p><input type="checkbox"/> Diagrams of tanker car before and during the implosion are not correctly labeled with circles denoting difference in molecular movement.</p> <p><input type="checkbox"/> Paragraph is less than 5-7 sentences long.</p> <p><input type="checkbox"/> Paragraph does not begin with a clear topic sentence telling what the paragraph will discuss.</p> <p><input type="checkbox"/> Paragraph does not include 3-5 supporting sentences using technical language that explains the phenomenon and supports the topic sentence.</p> <p><input type="checkbox"/> Paragraph does not end with a concluding sentence which summarizes the information in the paragraph.</p> <p><input type="checkbox"/> Craftsmanship is “Developing or Inadequate”- Handwriting is not neat or readable. Spelling and grammar conventions are not correct. Sentences do not all begin with capital letters and end with proper punctuation.</p>