

# Chemistry Lesson Plan

<b>Topic</b>	Changes in Matter
<b>Lesson Title</b>	Physical and Chemical Change
<b>Lesson Number</b>	1b
<b>Next Generation Science Standards:</b>	<p><b>HS-PS1-4.</b> Develop a model to illustrate that the release or absorption of energy from a chemical reaction system depends upon the changes in total bond energy.</p> <p><b>HS-PS1-5.</b> Apply scientific principles and evidence to provide an explanation about the effects of changing the temperature or concentration of the reacting particles on the rate at which a reaction occurs.</p>
<b>Learning objectives:</b>	<ul style="list-style-type: none"> <li>Describe physical change with examples and properties</li> </ul>
<b>"I can" statement:</b>	<ul style="list-style-type: none"> <li>I can explain the physical changes that occur in matter.</li> </ul>
<b>Prior Knowledge:</b>	
<ul style="list-style-type: none"> <li>What is matter?</li> <li>What is chemical change?</li> </ul>	
<b>Vocabulary:</b>	
Reactants, products, combustion, chemical bond, rusting, sublimation	
<b>Summary of Activities:</b>	
<ol style="list-style-type: none"> <li>Distribute and complete bell ringer activity.</li> <li>Discuss guided notes and slideshow, with students.</li> <li>Vocabulary worksheet or doodle notes</li> <li>Exit quiz</li> </ol>	
<b>Additional Resources:</b>	
<ul style="list-style-type: none"> <li>Online lessons on Physical and Chemical Change</li> <li>YouTube clips on Physical and Chemical Change</li> </ul>	
<b>Homework:</b>	
Homework task	
<b>Assessment:</b>	
<ul style="list-style-type: none"> <li>Bell work</li> <li>Assignment/Lab project</li> <li>Exit quiz</li> <li>End of unit review</li> </ul>	