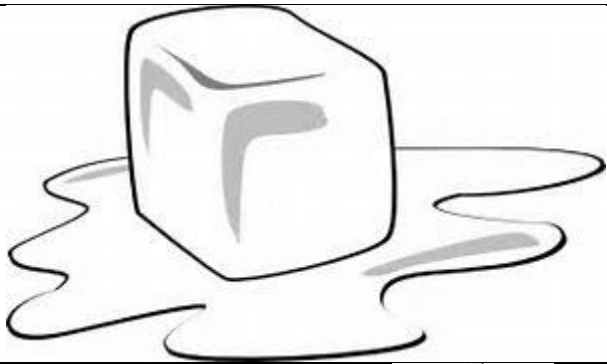
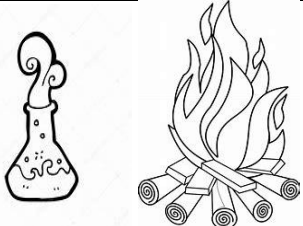
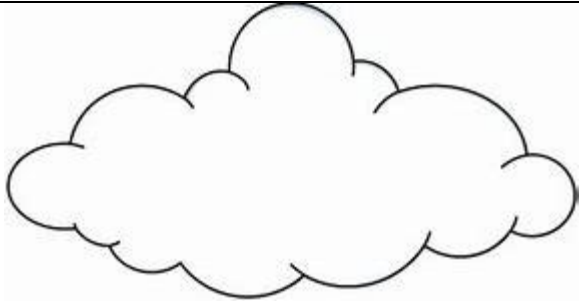



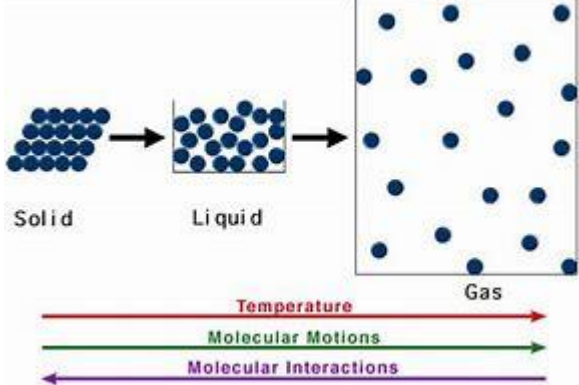
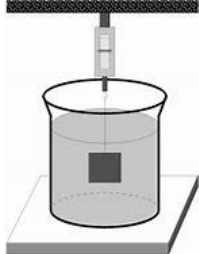


# NYS 8<sup>th</sup> Grade Science Review Day 2 Vocabulary

<b>Indicates</b>	<b>Point out or show to someone</b>	<b>Synonym- Specific or Detailed</b>
<b>Evidence</b>	<b>Proves or Does not Approve something</b>	<b>Synonym- Information or Supporting Details</b>
<b>Physical Change</b>	<b><u>Can</u> be changed back to original state of matter</b>	
<b>Chemical Change</b>	<b><u>Cannot</u> be changed back to original matter</b>	 <b>Bubbles or Burning</b>

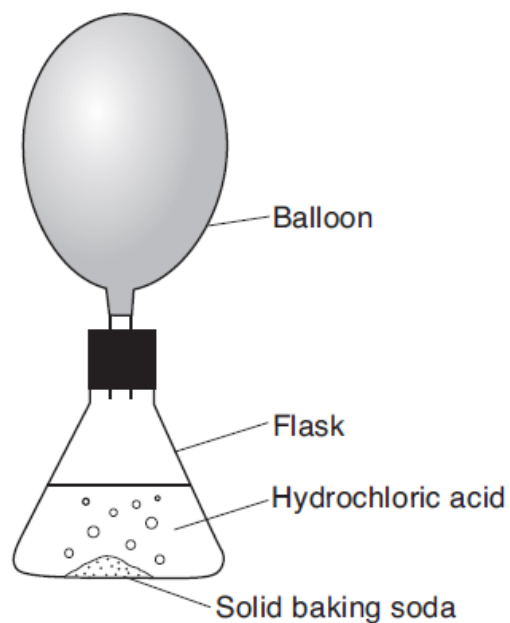
<p><b>Cloud</b></p>	<p>Seeing water molecules that evaporated from earth in the air and condensate to form clouds</p>	
<p><b>Condensation</b></p>	<p>Change in the state of water vapor to liquid water</p>	
<p><b>Element</b></p>	<p><b>100% from Earth</b></p>	

<p><b>Compound</b></p>	<p><b>2 Elements Together</b></p>	<p><b>Water</b></p>  <p><small>copyright © gettech.com</small></p> <p><b>H<sub>2</sub>O = 2 Hydrogen Atoms + 1 Oxygen</b></p>
<p><b>Phase Change</b></p>	<p><b>When Heat is Added;</b></p> <p><b>Solid – Molecules Shake</b></p> <p><b>Liquid - Molecules Flow</b></p> <p><b>Gas - Molecules Dance</b></p>	 <p><b>Solid</b>      <b>Liquid</b>      <b>Gas</b></p> <p>Temperature →</p> <p>Molecular Motions →</p> <p>Molecular Interactions ←</p>
<p><b>Density of Water</b></p>	<p><b>1.0 g/cm<sup>3</sup></b></p>	<p><b>Block with Density of 1.0 g/cm<sup>3</sup> will be suspended in water.</b></p> 

Student Name: \_\_\_\_\_

Period: \_\_\_\_\_

Directions: Using your vocabulary glossary answer the following questions.



(Not drawn to scale)

1. Which evidence in the diagram indicates that a gas was produced as a result of the reaction?

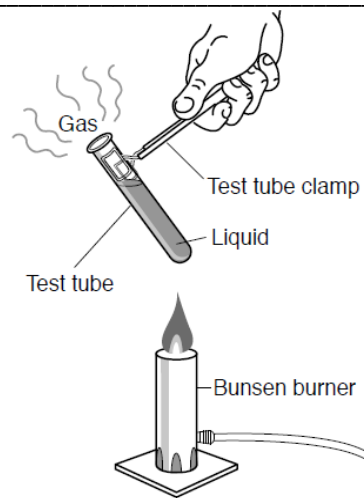
\_\_\_\_\_

2. Which activity involves only a physical change?

- (1) grinding coffee beans
- (2) baking cookies
- (3) acid bubbling on rock
- (4) exploding fireworks

Provide evidence of WHY you picked this answer

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(Not drawn to scale)

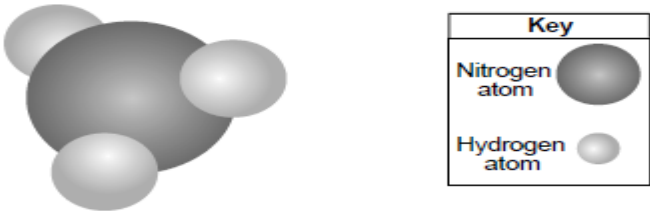
3. Explain why the liquid evaporating to a gas is an example of a physical change, rather than a chemical change.

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4. Identify the process in the water cycle that changed water vapor into liquid water droplets that formed the thunderstorm cloud.

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**Model of a Molecule of Ammonia Gas**



5. Is this an Element or Compound? \_\_\_\_\_

Explain why \_\_\_\_\_

6. Hydrogen and oxygen are classified as \_\_\_\_\_.

Explain why \_\_\_\_\_

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