Station 1  **Color Station**

Instruction: Describe the color of the following substances.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Sulfur</td>
<td></td>
</tr>
<tr>
<td>2. Ammonium dichromate</td>
<td></td>
</tr>
<tr>
<td>3. Salt</td>
<td></td>
</tr>
<tr>
<td>4. Sugar</td>
<td></td>
</tr>
</tbody>
</table>

Question:

1. Can color be a useful property to describe and identify a substance? ____
2. Why or why not?
   ________________________________
Station 2  

**Ability to Rust Station**

Question:

1. Describe the appearance of the nail on each container.

Station 3  

**Malleability & Ductility Station**

Copper can both be malleable and ductile.

Question:

1. How are you going to classify copper, an element or a compound?

________________
Station 4  
**Viscosity Station**

Instruction: Lift the fish line above each liquid substance on the graduated cylinder. Make sure that they are of the same level. Drop it inside the graduated cylinder and record the time it takes to reach the bottom of the graduated cylinder.

Questions:

1. Which has the highest viscosity?
   ______________________________

2. Which has the lowest viscosity?
   ______________________________

Station 5  
**Reactivity Station**

**Note:** Use the goggles before you perform the instruction.

Instruction: Place one piece of calcium and add about 5 mL of water. Record your observation. Dispose the content of the test tube on the waste beaker provided for station and clean the test tube.

Record your observation.

Observation:

______________________________________________________
Station 6  

**Reactivity Station**

Note: Use goggles before you perform the instruction.

Instruction: Place 3 mL of sodium hydroxide solution to the test tube. Add a drop of phenolphthalein. Shake it a little bit and then add 3 mL of hydrochloric acid solution and record your observation.

Dispose the content of the test tube on the waste beaker provided for station and clean the test tube.

Observation:

__________________________________________________________________________
__________________________________________________________________________
Station 7  
**States of Matter Station**

Instruction: Study the station card provided and answer the following questions:

1. Describe the molecular arrangement of
   - solid
   - liquid
   - water vapor

2. Is there a change in the composition of ice, water, and water vapor?
Station 8  **Solubility Station**

Instruction: Put a spatula of salt in the plastic cup and add 10 mL of water and stir. On another cup, put a spatula of cornstarch and add about 10 mL of water and stir.

Dispose the content of the plastic cup on the waste beaker provided for station and throw the plastic cup.

Question:

1. Is salt soluble in water? __________
2. Is cornstarch soluble in water? __________

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Station 9  **Reactivity Station**

Note: Use your goggles before you perform the instruction.

Instruction: Put spatula of baking powder in a cup and add 10 mL of vinegar. Record your observation.

Dispose the content of the test tube on the waste beaker provided for station and throw the plastic cup.
Station 10  **Density Station**

Instruction: Observe the regular soda and diet soda inside the beakers.

Questions:

1. Which is denser, regular soda or diet soda?
   ______________________________

2. What is responsible for the differences in their densities?
   ________________________________________________________________
   ________________________________________________________________

Station 11  **Flammability Station**

Note: Use your goggles before you perform the instruction.

Instruction: Use the crucible tongs to pick up one item at a time. With the lighter provided, attempt to light the paper then the aluminum on fire.

Questions:

1. Which items are flammable? _________________________________