

Station 1

Color Station

Instruction: Describe the color of the following substances.

Substance	Color
1. Sulfur	_____
2. Ammonium dichromate	_____
3. Salt	_____
4. Sugar	_____

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.

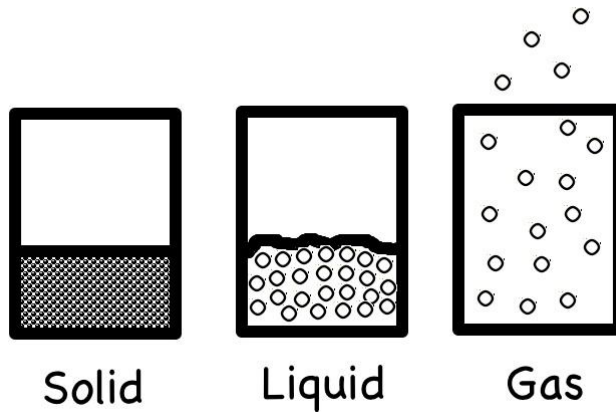
Observation:

Station 7

States of Matter Station

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

The States of Matter



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? _____

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.

Observation:

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? _____

