**Penny Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

**Needle Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

**Pie Pan Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

**Pepper Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

**Jar Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

**pH Station**

Property Demonstrated\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Property:

Explanation of what occurred and WHY?

Penny Station

**Instructions:** Keep the two & droppers separate. One partner will use regular water, and the other will use Isopropyl (rubbing alcohol). Attempt to place as many drops as possible on the tails side of your penny. Keep track of how many drops you were able to place without spilling out. View the penny from eye level to determine what shape the solution creates on the penny. Clean up all spills & place all droppers in the correct container.

Which solution was more successful?

Needle Station

**Instructions:** There are two petri dishes, a water only dish & a soapy water dish. Using the paper clip that is associated with each dish, attempt to balance/float the needle on the surface of the water. (It may take several attempts to balance the needle.) Use the associated forceps to remove the needle and return it to its original place.

Pie Pan Station

**Instructions**: Place 100 ml of milk into the pin pan. Choose one color you want to use in this experiment. Place ONE drop of the color in the center of the pie pan. Dip the end of the tooth pick into the soap solution and insert it into the center of the color drop. See what happens! Deposit the milk solution into the sink and rinse pie pan.

Pepper Station

**Instructions:** Fill the container with water. Place a layer of pepper onto the surface of water. Lightly dab your finger into the soap solution and touch it to the surface (center) of the water. Watch what happens! Pour the peppered water into the sink and rinse the container.

Jar Station

**Instructions**: Fill the jar ¼ to ½ full of water from the sink. Place the screen over the opening of the jar and secure the screen with a rubber band (you want the band very tight). OVER THE SINK, place your hand tightly over the opening and invert the jar. Slowly remove your hand horizontally and see what happens! (It will be obvious if you are successful!)

pH station

**Instructions:** Fill one viewing tube with 5 ml of the first solution. Place tube in the top left opening of the color comparator. Fill the other tube with 5ml of the first solution. Add six drops of “Wide Range 4 pH Indicator Solution” into the second tube. Swirl gently to mix. Place the second tube in the right opening of the color comparator. Hold the comparator up to a light source (be careful not to spill). Rotate the color disk, until the two tubes match, record the pH you achieved.

Questions for each station:

1. What property of water was demonstrated at this station? (there may be more than one)
2. Explain the property of water & how it was shown through this mini experiment. Include the property term and definition in your explanation.