

Names \_\_\_\_\_ **Liquid X Investigation: Station A**

**Experimental Design**

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

**Data**

Sample	Number of Drops Before Spilling			Mean
	Trial 1	Trial 2	Trial 3	
Water				
Liquid X				

Describe how water behaved in this experiment:

Describe how liquid X behaved in this experiment:

How did the results for Liquid X compare to water?

What water property(s) was demonstrated at this station? (Gallery walk #s)

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Names \_\_\_\_\_ **Liquid X Investigation: Station B**

**Experimental Design**

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

**Data**

Sample	Liquid X	Water	Windex	Vinegar
pH Meter Measurement				

How did the results for Liquid X compare to water?

What water property(s) was demonstrated at this station? (Gallery walk #)

**Names** \_\_\_\_\_ **Liquid X Investigation: Station C**

What happened when you mixed sodium bicarbonate and citric acid (before adding a liquid)?

What happened when you added water to the mixture?

What happened when you added Liquid X to the mixture?

How did the results for liquid X compare to the results for water?

What water property was demonstrated at this station? (Gallery walk #)

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**Names** \_\_\_\_\_ **Liquid X Investigation: Station D**

Describe how water behaved in this experiment:

Describe how liquid X behaved in this experiment:

How did the results for Liquid X compare to water?

What water property(s) was demonstrated at this station? (Gallery walk #)

Names \_\_\_\_\_ Liquid X Investigation: Station E

**Data:**

<i>Substance</i>	<i>Observations (What happened?)</i>
<i>Solid water (ice) in liquid water</i>	
<i>Solid "Liquid X" in liquid "Liquid X"</i>	

How does the frozen density of "Liquid X" compare to the frozen density of water?

What water property(s) was demonstrated at this station? (Gallery walk #)

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Names \_\_\_\_\_ Liquid X Investigation: Station F

**Experimental Design**

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

**Data**

Sample	Temperature (°C)					
	Initial (0 min)	1 min	2 min	3 min	4 min	Range
Sand						
Water						
Liquid X						

Describe what happened to water as heat was added. How did this result compare to sand?

Describe what happened to liquid x as heat was added. How did this result compare to sand?

How did the results for Liquid X compare to water?

What water property(s) was demonstrated at this station? (Gallery walk #)