

Name: _____

Date: _____

Investigating the PROPERTIES OF WATER

Follow the directions at each lab station to observe the properties of water. Use the information sheet to answer the questions below.



Lab Station 1

1. What did you observe?
2. What property of water was being displayed?
3. Why was water able to travel up the paper towel?

Lab Station 2

1. What happened when you mixed the salt with water?
2. What property of water was being displayed?
3. Does this tell you anything about the properties of salt?

Lab Station 3

1. Describe the behavior of water on the wax paper.
2. What property of water are you observing?
3. Do you think the wax paper is hydrophilic or hydrophobic?

Lab Station 4

1. What happened when you added substance A to the water?
2. Did it mix with water?
3. Do you think substance A is hydrophilic or hydrophobic?

Lab Station 5

1. What property of water allows the paperclip to sit on top of the water?

Lab Station 6

1. What happened when the balloon approach the stream of water?

2. Why do you think this would happen? (Hint: static electricity is caused by an imbalance of charges)

Lab Station 7

1. Predict how many drops you of water will fit on the penny:

2. Tally the number of drops:

3. What property or properties of water make this possible?

Reflection

What was your favorite water demonstration?

Extension: In the space below, create your own experiment that can be used to visualize the properties of water.