



Properties of Water: Student Activity Sheet

Name: _____

Date: _____

Part 1: How Many Drops?

1. Predict which of the three liquids will allow you to put the most drops on the penny, and which of the three liquids will allow you to put the fewest drops on the penny. _____

2. Record your results below.

Substance	Trial 1	Trial 2	Trial 3	Average
Water				
Soapy Water				
Vegetable Oil				

Draw your penny below.

Water	Soapy Water	Vegetable Oil

3. Compare your results and your pictures. What do you notice? _____

4. Look at your drawing of **the water on the penny**. Label where cohesion, adhesion, and surface tension would be.

Part 2: How Does Water Climb?

Exploration

1. Draw your set-up.

2. Predict what you think your set-up will look like after 24 hours. _____

3. After 24 hours, draw your set-up.

4. Compare your results to your prediction and describe how your set-up changed over 24 hours. _____

Predict and Test

1. After looking at the diagram, predict what will happen. _____

2. Draw what you see.

3. After 24 hours, draw what you see.

4. Compare your results to your prediction. Explain what occurred using evidence and the terms cohesion and adhesion. _____

Affect of Temperature on Capillary Action

1. How do you think the temperature will affect how fast capillary action occurs? _____

2. Record your results below.

Temperature of Water	Time
Hot	
Cold	

3. Using the information above and evidence from your investigation, explain how temperature affects capillary action. _____

