## Water Drops on a Penny Activity Name\_\_\_\_\_

Directions:

- 1. Obtain a penny, a cup of water, a pipette, and a paper towel.
- 2. Carefully count how many drops of water you can put on each side of the penny <u>before the water droplet breaks and the water flows over the side of the penny</u> and record each trial in the table below.
- 3. Clean up your area, return the supplies, and use a calculator if needed.
- 4. Calculate the average number of drops for each side.
- 5. Answer the discussion questions.

Penny	Trial 1	Trial 2	Trial 3	Average
Heads				
Tails				

Discussion Questions:

1. Make a list of all the variables in this experiment.

- 2. What property of water enables one to put so many drops on the penny?
- 3. a. Why might counting the drops on the pennies cause problems comparing the amount of water individuals were able to get on the pennies?

b. State a method of measurement that is more accurate than counting drops of water.

Explain how this method would be utilized.