**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 **before the water droplet breaks and the water flows over the side of the penny** 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.

<table>
<thead>
<tr>
<th>Penny</th>
<th>Trial 1</th>
<th>Trial 2</th>
<th>Trial 3</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heads</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tails</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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.