

### Student Sheet 6-2

Penny Lab Instructions from T. Trimpe 1999 <http://sciencespot.net/>

Take a Guess: How many drops of water can fit on one side of a penny? \_\_\_\_\_

Part A: Perform a test.

Step 1: Rinse a penny in tap water and dry completely.

Step 2: Place the penny on paper towel.

Step 3: Use an eye dropper to place drops of WATER on the penny (one at a time) until ANY amount of water runs over the edge of the penny.

Step 4: Record the number of drops for that trial in the table.

Repeat Steps 1 - 4 three more times before calculating your average.

Trial 1	Trial 2	Trial 3	Trial 4	Average

Part B: Answer each question related to the experiment.

1. Explain your results from both parts of the experiment in terms of cohesion and surface tension.

2. How do your results compare to each other? Provide at least 2 possible reasons for any similarities and differences you identified.