Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_

Lab 1:

Directions:

Step 1: Measure and record the diameter on the top circle of the cup.

Step 2: Fill the cup with water almost to the top.

Step 3: Get about 15 paper clips.

Step 4: Place paper clips on top of the water, record the number of paper clips on top of the cup that did not break the surface.

Diameter of the Cup: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Clips: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Would a larger water surface be able to hold more paper clips, explain?

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Lab 2:

Directions:

Step 1: Pick up a penny and a dropper.

Step 2: Add drops of water on top of the penny carefully. Record the number of droppers to break the surface tension. (Water will spill on to the desk.)

Number of Drops:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define Below:

Cohesion: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Adhesion: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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