

## Egg Osmosis Lab

Attach in lab notebook

### Hypothesis:

Predict what will happen to the size of the egg (increase, decrease, or remain the same) when it is placed in:

- a. Vinegar \_\_\_\_\_
- b. Corn syrup \_\_\_\_\_
- c. Water \_\_\_\_\_

### Procedure:

#### Day 1

1. Label a plastic cup with you and your partners' names.
2. Obtain a raw egg. Observe the egg's shell. Record your observations in the data table.
3. On a scale weigh the egg's mass and record the results
4. Using a piece of paper and a ruler, measure the circumference of your egg. Record the circumference in the data table.
5. Using a graduated cylinder, measure 150.0mL of vinegar. Add the vinegar to your cup. Carefully place the egg in the cup.
6. Leave the egg for 1 day.

#### Day 2

1. Observe your egg. Observe the egg's shell. Record your observations in the data table.
2. Measure the circumference of the egg and record.
3. Weigh the egg's mass and record.
4. Use a graduated cylinder to measure the amount of vinegar left in the cup.
5. Rinse out the plastic cup with water. Dry the cup. Add 150.0mL of corn syrup to the cup. Carefully place the egg in the cup.
6. Leave the egg for 1 day.

#### Day 3

1. Observe your egg. Measure the circumference of the egg and record.
2. Weigh the egg and record.
3. Measure the amount of syrup left in the cup with a graduated cylinder.
4. Rinse and dry the cup. Add 150.0mL of water to the cup. Carefully add the egg.
5. Leave the egg for 1 day.

#### Day 4

1. Observe your egg. Measure the circumference of the egg and record.
2. Measure the amount of water that was left using a graduated cylinder and record.
3. Weigh your egg's mass and record.
4. Discard the egg in the trash.

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#### Day 4

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