**Egg-mosis Lab**

Objective: To learn about the types of osmotic solutions. Day 1 - vinegar

1. Obtain the mass of the egg and record below.

2. Place the egg in your cup, and pour vinegar in the cup to submerge the egg.

MASS OF EGG = \_\_\_\_\_\_\_\_\_\_\_\_ grams

Day 2 - syrup

1. Pour off the vinegar into the waste container. Do not let the egg fall in.

2. Obtain the mass of the egg and record it below.

3. Rinse out the cup and fill the cup with syrup, enough to submerge the egg.

MASS OF EGG (after being in vinegar) = \_\_\_\_\_\_\_\_\_\_\_\_ grams

Day 3 – water

1. Pour off the syrup into the waste container. Do not let the egg fall in.

2. Obtain the mass of the egg and record below.

3. Fill the cup with tap water, enough to submerge the egg.

MASS OF EGG (after being in syrup) = \_\_\_\_\_\_\_\_\_\_\_ grams

Day 4 – conclusion

1. Pour off the water into the waste container. Do not let the egg fall in.

2. Obtain the mass of the egg.

3. Record the mass below.

MASS OF EGG (after being in water) = \_\_\_\_\_\_\_\_\_\_\_ grams

**Analysis Questions:**

1. What was the purpose of placing the egg in vinegar?
2. What happened to the size of the egg after remaining in vinegar? \_\_\_\_\_\_\_\_\_\_

Did water move into or out of the egg? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Therefore, what type of osmotic solution was demonstrated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What happened to the size of the egg after remaining in syrup? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Did water move into or out of the egg? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Therefore, what type of osmotic solution was demonstrated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What happened to the size of the egg after remaining in water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Did water move into or out of the egg? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Therefore, what type of osmotic solution was demonstrated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain why fresh fruits and vegetables are sprinkled with water at a grocery store?