Egg-speriment with a Cell

Name: _____
Date: _____
Period: _____ Page: _____

Objective: _____

_____

Problem:

How do different liquids affect the weight of an egg?

Hypothesis:

If an egg is soaked in different liquids, then the weight of the egg will

_____.

Materials:

_____

_____

Procedures:

1. Pour _____ mL of vinegar into the cup, write your class period and table number on the cup
2. Measure the weight (g) of the egg
   CAUTION: BE DELICATE WITH THE EGG SO IT DOES NOT BREAK!
3. Record measurements and observations in the data tables
4. Place the egg in the cup
5. Place the cup in the bin labeled with your table number
6. After 24 hours, pull out and rinse the egg
7. Repeat steps 2 - 5
8. After 48 hours, pull out and rinse the egg and repeat steps 2 – 3
9. Fill beaker with _____ mL of water, blue water, corn syrup, or salt water as directed by your teacher
10. Repeat steps 4 – 5
11. After 24 hours, repeat steps 2 - 3

Data:

Weight of Egg in Vinegar

	0 hrs	24 hrs	48 hrs
Weight			

Observations of egg in vinegar:

0 Hour	
24 hours	

Weight of Egg in different liquids

	Water	Blue Water	Corn Syrup	Salt Water
Weight				

Observations of egg in different liquids:

Water	
Blue Water	
Corn Syrup	
Salt Water	

Analysis:

Discuss the answers to the following questions in a complete sentence for your analysis.

1. What happened to the egg when it was in the vinegar?

_____

_____

_____

2. What happened to the egg in each of the different liquids?

_____

_____

_____

_____

Conclusion:

Discuss the answers to the following questions for your conclusion. Turn the answers to these questions into a paragraph for your conclusion.

1. Was your hypothesis supported or rejected? Why or why not?

_____

_____

2. What was the end result to the egg in the different liquids?

_____

_____

_____

3. What caused this to happen to the egg? (Talk about the concepts we have been learning this week).

_____

_____

_____