**Egg Lab**

Purpose: To determine the effect different solutions will have on an animal cell.

Observation of egg before experiment begins.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***\*\*\*\*Please be sure to wash your hands after handling the eggs!!!\*\*\*\****

Day1:

* Take the mass of the egg and cup.
* Take the mass of the cup.
* Subtract to determine the mass of the egg.
* Make observation of egg before adding vinegar.
* Cover the egg with vinegar.

Day 2:

* Clean and dry off egg ***gently.***
* Clean and dry off cup.
* Take mass of cup & egg together.
* Record data and make observation.
* Cover the egg with corn syrup.

Day 3:

* Clean and dry off egg ***gently.***
* Clean and dry off cup.
* Take mass of cup & egg together.
* Record data and make observation.
* Cover the egg with distilled water and add food coloring.

Day 4:

* Clean and dry off egg ***gently.***
* Clean and dry off cup.
* Take mass of cup & egg together.
* Record data and make observation.

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| --- | --- | --- | --- | --- |
| **Day** | **Mass of**  **Cup & egg** | **Mass of cup** | **Mass of Egg** | **Observation**  **of egg after being in the solution** |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **4** |  |  |  |  |

**Analysis questions:**

1. Which solution(s) caused the egg to gain mass?

2. Which solution(s) caused the egg to lose mass?

3. Why does the egg gain or lose mass in each case?

4. Which type of transport took place in this lab? **(Passive or Active)**