Objective: To understand Osmosis, the diffusion of water through the cell membrane.

Materials: Eggs
Vinegar
Water
Molasses
Measuring tape
Plastic cups

Procedures:

1. Observe the features of the egg and measure its circumference.

2. Soak the egg in vinegar for at least two days, then observe and record how the egg has changed, including any appearance or texture. Measure the circumference of the egg and record all observations and measurements. (I have found it best to start this experiment on a Friday. This will allow two days for the egg to soak in the vinegar undisturbed)

3. Soak the egg in plain water for two more days. Measure and observe the egg and record changes.

4. Soak the egg in molasses for two days. Continue to keep a daily record of observations and measurements of the eggs circumference and changes.

5. Graph the data you have collected and prepare a report of your results.

For best results, it is very important that you measure your egg carefully each day and record the data on the table.

After the experiment is completed and all data is analyzed, you must write a summary on your results as well as your understanding of osmosis.