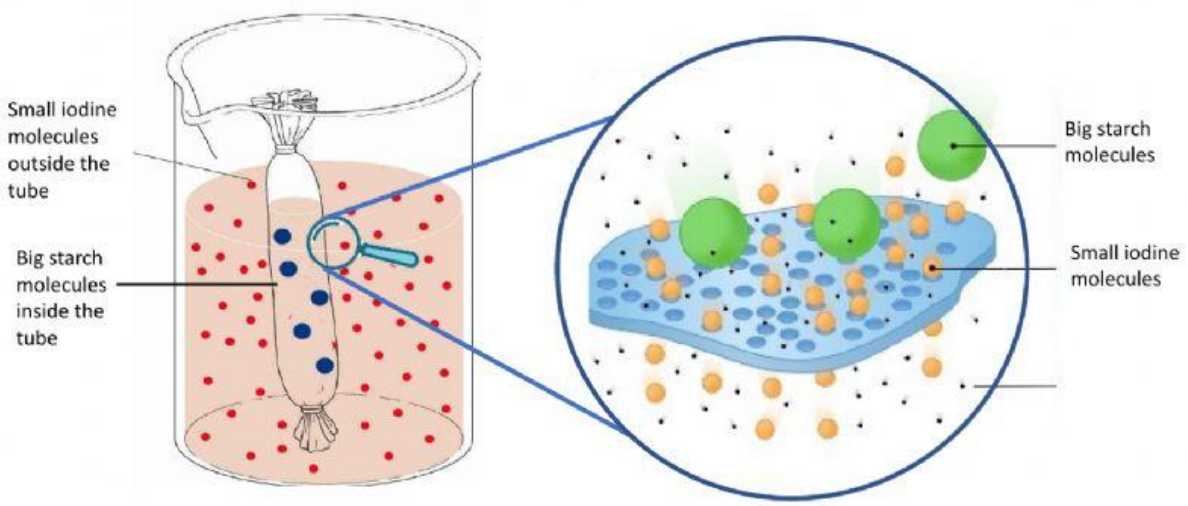
Station # 2

Observe and Explain

First, we will observe the results of the previous experiment



LIVEWORKSHEETS

Station # 2

Observe and Predict

Fill the following table with the information of the experiment.

	Color in the cup	Color in the tube	Iodine inside of the tube?
At the start of the experiment	Dark red / Brown	White	No
At the end of the experiment			

LIVEWORKSHEETS

Station # 2

Observe and Explain

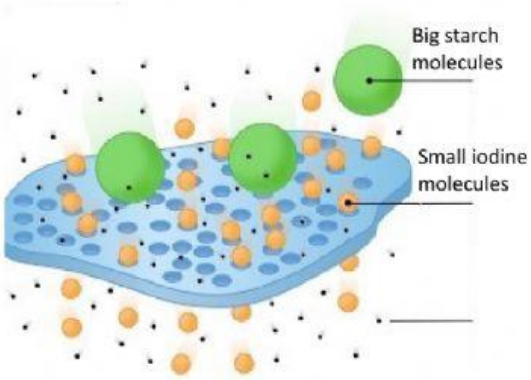
Using the results obtained from the experiment answer:

1. Which molecules moved through the membrane?

   a. The small iodine molecules moved inside the tube

   b. Big starch molecules moved outside of the tube

2. Explain what is diffusion using the results from the experiment



LIVEWORKSHEETS

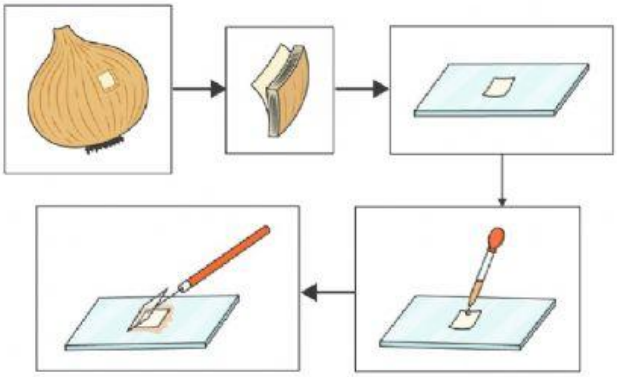
Station # 3

Illustrate Osmosis

The teacher will help you to set up a microscope slide of onion skin cells.

In this first slide you will see the onion cells naturally

1. Use your notebook to draw what you see



LIVEWORKSHEETS

Station # 3

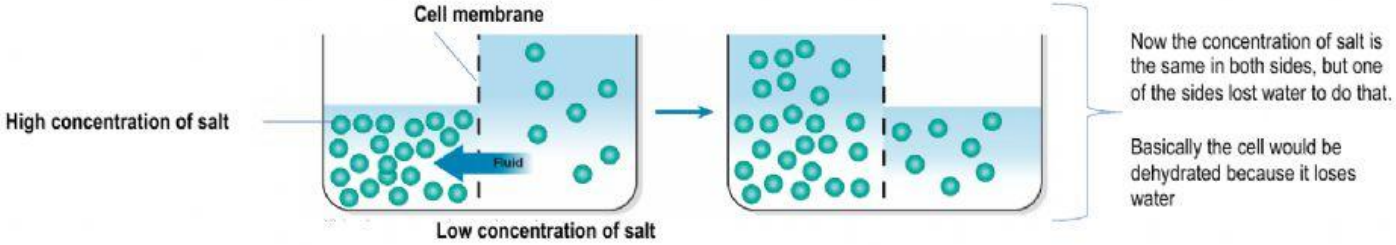
Illustrate Osmosis

Now we will add a drop of salt water to the cell.

This means that the concentration of salt will be higher outside of the cell than inside of it.

The cell will try to balance the amount of water and salt inside and outside of it.

The cell will move water inside or outside depending where is more concentration of salt



LIVEWORKSHEETS

Station # 3

Illustrate Osmosis

Now we will add a drop of salt water to the cell.

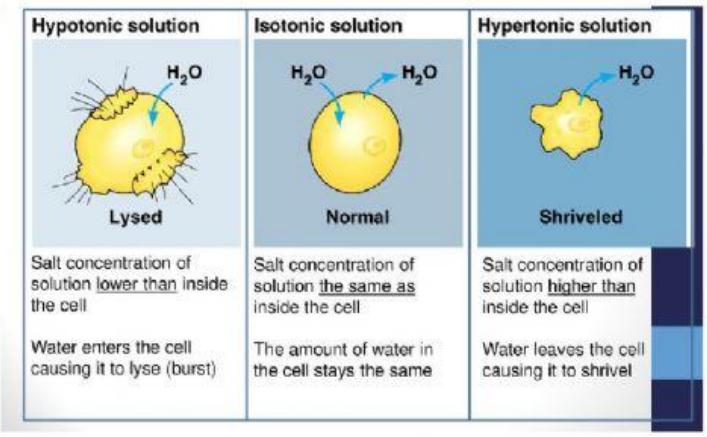
This means that the concentration of salt will be higher outside of the cell than inside of it.

Use the picture about osmosis to predict what will happen?

a. Water will enter to the cell and the cell will burst

b. The cell will stay the same

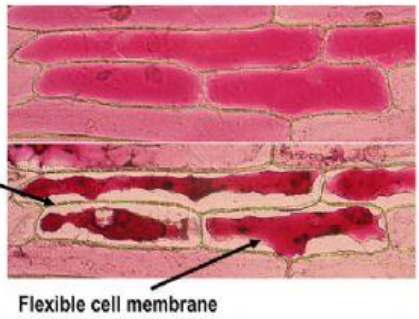
c. Water will leave the cell causing it to shrivel (shrink)



LIVEWORKSHEETS

Station # 3

Illustrate Osmosis



Observe the onion cells with salt water.

Use your notebook to draw the new observation.

Describe differences between the observations and how was the cell membrane responsible of that change?

LIVEWORKSHEETS