

TYPES OF MEMBRANES

Permeable
Membrane

Impermeable
Membrane

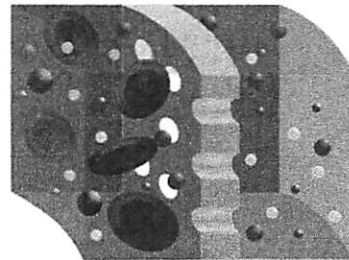
Semi-permeable
(Selectively)
Membrane

-all molecules can get
through
(no regulation)

-molecules cannot
pass through
(no movement will
take place)

-only certain molecules
are able to pass through
-example= cell
membrane
***larger molecules can't
pass through unless they
are broken down

Molecules that are small
enough to fit through the
pores will diffuse through.



Gummy Bear Osmosis Lab

Purpose: To observe the effects of different environments on a gummy bear.

Hypothesis: Circle the word in each scenario below to complete your prediction.

The gummy bear left in plain water will: shrink swell stay the same

The gummy bear left in salt water will: shrink swell stay the same

The gummy bear left in no water will: shrink swell stay the same

Materials: (Your teacher will provide you with the needed supplies.)

Procedure: (In plastic page sleeve on table.)

Experimental Set Up- identify the parts of the experiment below

manipulated/ independent variable= _____

responding/dependent variable= _____

constants (list 3)= _____

control group= _____

Data/Results: Record the data in the appropriate spaces and charts below. Make necessary observations in the spaces provided.

Use the balance to measure the mass of each to the nearest tenth of a gram.

“Plain Water”

	Mass
Before	
After	

“Salt Water”

	Mass
Before	
After	

“No Water”

	Mass
Before	
After	

