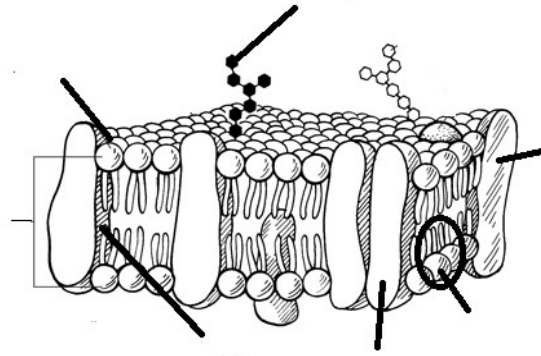


Membrane Transport Notes (Chapter 3.3-3.5)



Cell Membranes

1. All _____ have a cell membrane.
2. Functions:
 - a.
 - b.
 - c.
3. Structure of cell membrane: _____ Bilayer – 2 layers of _____
4. Cell membranes _____
 - a. _____: Allows some molecules in and keeps other _____.
 - b. Pores are found in _____ and between _____.

Passive Transport: (NO _____ REQUIRED)

- Molecules more _____
- Molecules spread out from a _____ concentration to a _____ concentration.

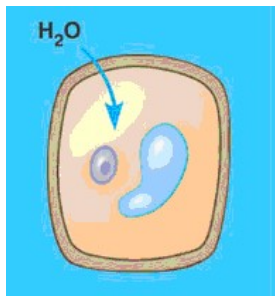
Draw the picture.

3 Types of Passive Transport		
1.	2.	3.
*	*	*
*	*	*
*		*
Drawing	Drawing	Drawing

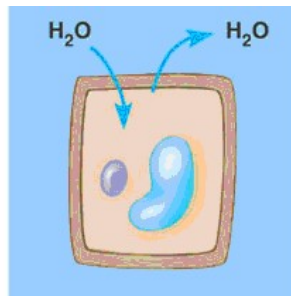
Osmosis in Different Type Environments

	Hypotonic Solution	Hypertonic Solution	Isotonic Solution
Info			
Drawing			
Results			

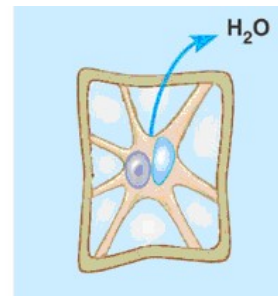
Identify the solution



1. _____



2. _____

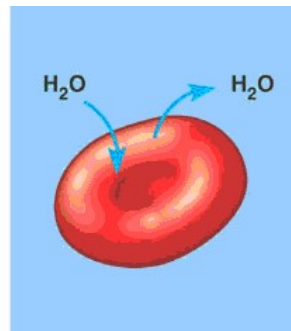


3. _____

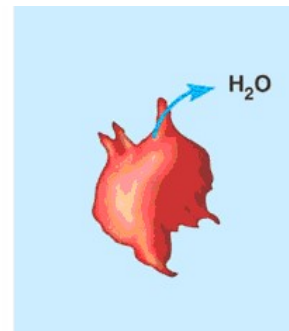
Identify the solution



1. _____



2. _____



3. _____

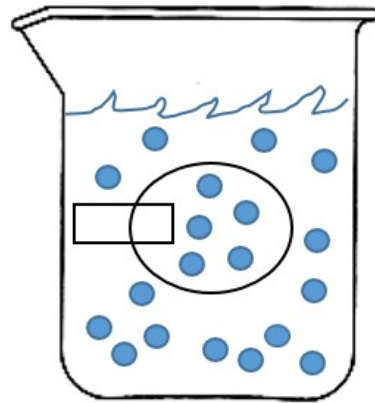
Types of Solutions

Instructions:

1. Label the solution as hypertonic, hypotonic, or isotonic.
2. State the direction the water will move. (Into the cell, out of the cell, into and out of the cell equally)
 - Draw which way the water will flow using arrows in the box provided.
3. Describe what will happen to the cell. (Swells, shrinks, or stays the same)

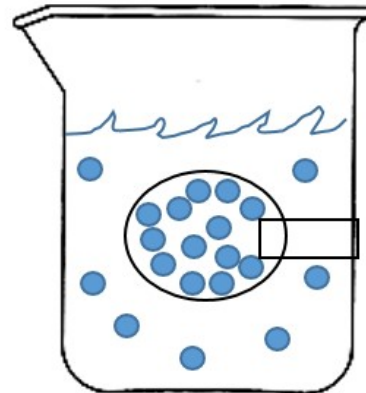
Solution A

1. _____
2. _____
3. The cell will _____



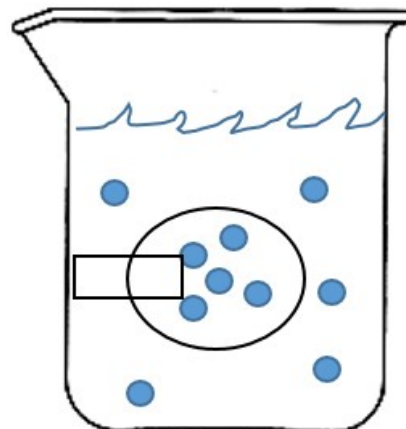
Solution B

1. _____
2. _____
3. The cell will _____



Solution C

1. _____
2. _____
3. The cell will _____



Active Transport: _____ **REQUIRED**

- Movement from an area of _____ concentration to an area of _____ concentration

Draw the picture.

Types of Active Transport		
	Info	Drawing
1.		
2.	* * <u>2 Types</u> 1. 2. *	
3.	* * * *	

Review

<u>Passive Transport</u>	<u>Active Transport</u>
Cell _____ use energy	Cell _____ use energy
1.	1.
2.	2.
3.	3.