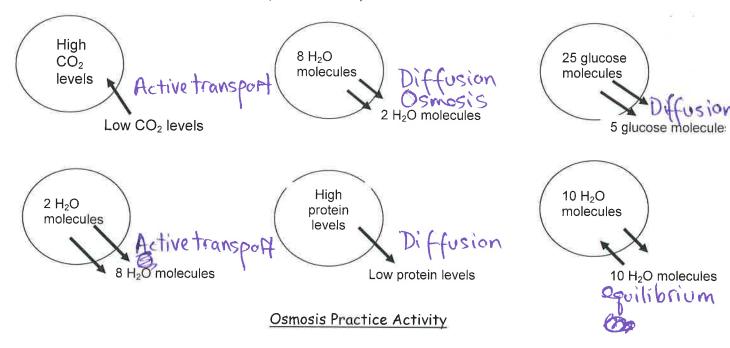
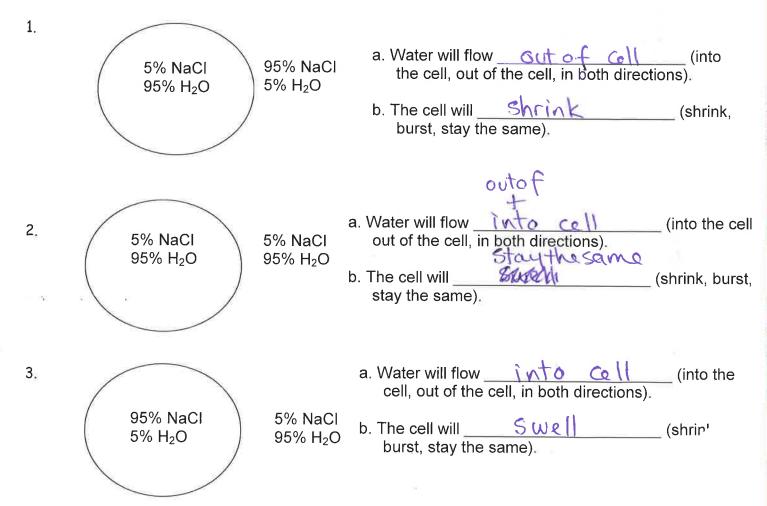
Name	Perio	od Date		
<u>Cell Tran</u>	sport Review Worl	ksheet		
Complete the table by checking the correct column for each statement:				
Statement	Isotonic solution	Hypotonic solution	Hypertonic solution	
Causes a cell to swell		X		
Doesn't change the shape of a cell	X		A	
Causes osmosis		X	X	
Causes a cell to shrink		, , ,	×	
Match the term with its correct description a. energy b. facilitated diffusio	e	. active transport		
		. exocytosis . carrier protein		
c. endocytosisd. passive transport	_	el protein		
a. passive it ansport	n, chain	er protein		
Transport protein that provides particles can diffuse Is used during active transport to the process by which a cell takes in the particle movement from an area process by which a cell expels we have a form of passive transport that particle movement from an area particle movement from an area transport protein that changes: Match the term with its correct description as transport protein description as transport protein description.	out not passive trans material by forming a of higher concentrat astes from a vacuole t uses transport prot of lower concentration shape when a particle	port a vacuole around it rion to an area of lower reins on to an area of higher e binds with it	concentration	
	passive transport	g. exocytosis		
	osmosis endocytosis	h. equilibrium		
The diffusion of water through a cell The movement of substances through A Used to help substances enter or ex B When energy is required to move may When the molecules of one substance balanced A vacuole membrane fuses (becomes The cell membrane forms around and When molecules move from areas of	h the cell membrane it the cell membrane terials through a cell e are spread evenly t a part of) the cell m other substance, for	l membrane throughout another sub embrane and the conto example, how the amoo	bstance to become ents are released eba gets its food	

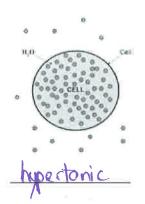
Label the diagrams of cells using the following terms: diffusion, active transport, osmosis, equilibrium. The arrows show the direction of transport. You may use the terms more than once!

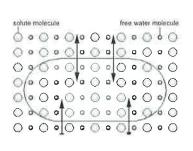


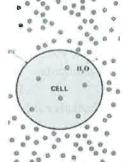
Osmosis is the diffusion of water from an area of high concentration to an area of low concentration. Only water moves in osmosis! The diagrams below show the concentration of water and salt inside the cell and the concentration of water and salt surrounding the cell. Complete the sentences below by comparing the concentration of the water inside the cell and the concentration outside the cell.



4. At which solution of concentration gradient is each cell diagram? (Hypotonic, Hypertonic, Isotonic)



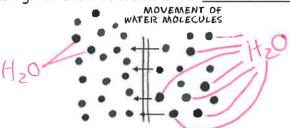




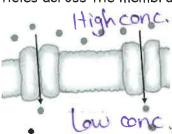
b. isotonic

c. hypotonic

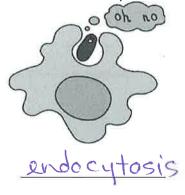
5. This diagram is moving from a high to a low concentration: ______OSmosis____

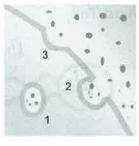


6. Using a transport protein to move particles across the membrane: <u>facilitated diffusion</u>

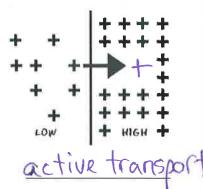


7. Describe the processes occurring in the following pictures:





exocytosis

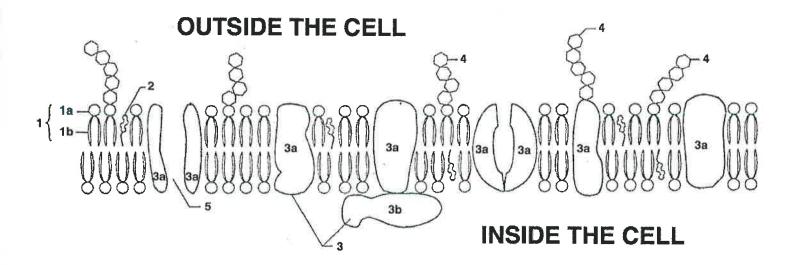


Directions: Pictured below is a cross section of a typical cell membrane. Use the numbers and terms to color each part. Color in the O with the color that you are using for that term in the diagram. Once you have colored something one time, you should be able to find other examples of it in the membrane. Color all examples of it you see. By the time you have finished, ALL parts of the membrane should be colored in.

1. Phospholipids-- 1a. O head

1b. O tail

- 2. O Cholesterol (another kind of lipid)
- 3. Proteins -- 3a. O Integral Protein
 3b. O Peripheral Protein
- 4. O Carbohydrates
- 5. O Protein Channels
- 6. O Cytoplasm



Label the Phospholipid. Include the terms: Phosphate Head, Fatty Acid Tail, Hydrophilic, Hydrophobic

Front of card: describe term in your own words.

Back of card: Draw a picture to illustrate term. Use book or internet to help.

Active transport	Semi permeable
Transport across membrane that requires energy es transport u/ carrierprof endeytosis exocytosis	- allows some molecules to cross membrane ein and others NOT.
- barrier betw/ cell + envmt made of phospholipids - made of phospholipids - chdesterol proteins - regulates what enters + leaves cell.	- Movement of particles from high to low concentrations.
- break down of cell bursting of cell.	- Movement of H2O from high to low concentration across a membrane.
Endocytosis - large particles engulfe by cell membrane + brought INTO cell.	sucrounded by membrane
- diffusion of larger particles across membrane w/ help of channel protein.	- maintaining stable internal conditions.