Name _			Date	·	Period	
		CELL TH	RANSPORT REV	IEW	I chou	
	Cell transpo		ent of molecules in		of the cell	
Match t	the definition on the	e left with the ter	m on the right.			
1	Large wastes or	Large wastes or cell products are released from inside to outside a cell		e a cell	a. Passive transport	
2	Diffusion of water molecules through a selectively permeable members			embrane.	b. Diffusion	
3	The transport of particles which requires the use of energy				c. Dynamic equilibrium	
4	A state reached when particles continue to move but in <i>equal amounts</i> in and out of the cell.				d. Exocytosis	
5					e. Osmosis	
	Movement of any particles from an area of <i>higher</i> concentration to one of <i>lower</i> concentration, with the concentration gradient.				f. Active transport	
7	The transport of particles which does not require energy				g. Endocytosis	
8. Teytop 9. Teholo	9. The plasma membrane (cell membrane) is made up of a(n) cholesterol layer enzyme layer phospholipid bilayer 10. Which of the following is NOT a form of passive transport?			plasma me	membrane protein layer	
facilitated diffusion diffusion endocytosis osmosis 11. Diffusion continues until equilibrium is reached turgor pressure is reached one side has more						
12. I	f a cell is placed in sal osis	t water, water leav	es the cell by active transport	phagocytos	sis	
13. A facili	A cell moves particles itated diffusion	from a region of <i>lo</i> osmosis	w concentration to a region of passive transport	high concen		
For eacl	h scenario, answer	the questions an	d draw an ARROW to illu	strate the n	novement of molecules.	
P	ter egg coloring: A blue food coloring ill begin to dissolve	tablet is placed in and will eventuall	n a cup of vinegar and water ly spread evenly throughout	. After seve the liquid.	eral seconds, the blue	
beaker		a. The blue d b. Ide	ye is traveling from a ntify the type of transport il	to a lustrated in	concentration. this scenario:	

c. Does this movement of particles require energy?

Blue food color tablet

15. Following the digestion of food:

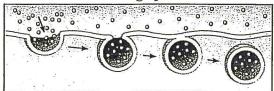
 \triangle = glucose molecule



- a. Where is the higher concentration of glucose blood or cell?
- b. Glucose travels through helper proteins in the cell membrane.

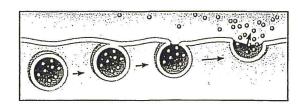
 Identify this specific type of cell transport:
- c. Is this active or passive transport?
- d. Use an arrow to illustrate the movement of glucose molecules.

16. Movement of large particles into the cell:



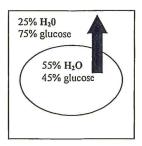
- a. Identify the specific type of transport being illustrated:
- b. How are the molecules being moved?
 _____ concentration → _____ concentration
- c. Does this require energy?

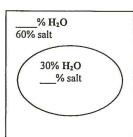
17. Movement of large particles out of the cell:

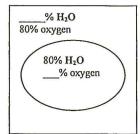


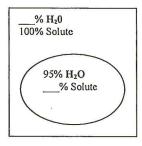
- a. Identify the specific type of transport being illustrated:
- b. Is this active or passive transport?
- c. What type of substances would be moved in this way?

18. For the boxes seen below, do the calculations (each environment must equal 100%), draw an ARROW to illustrate the direction of water movement. State whether the solution is hypertonic, hypotonic, or isotonic.



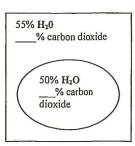


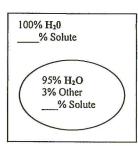


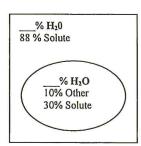


Water leaves cell. Cell shrinks. Hypertonic solution

OSMOSIS







89% H₂0
% Salt

80% H₂O
9% Other
_____% Salt