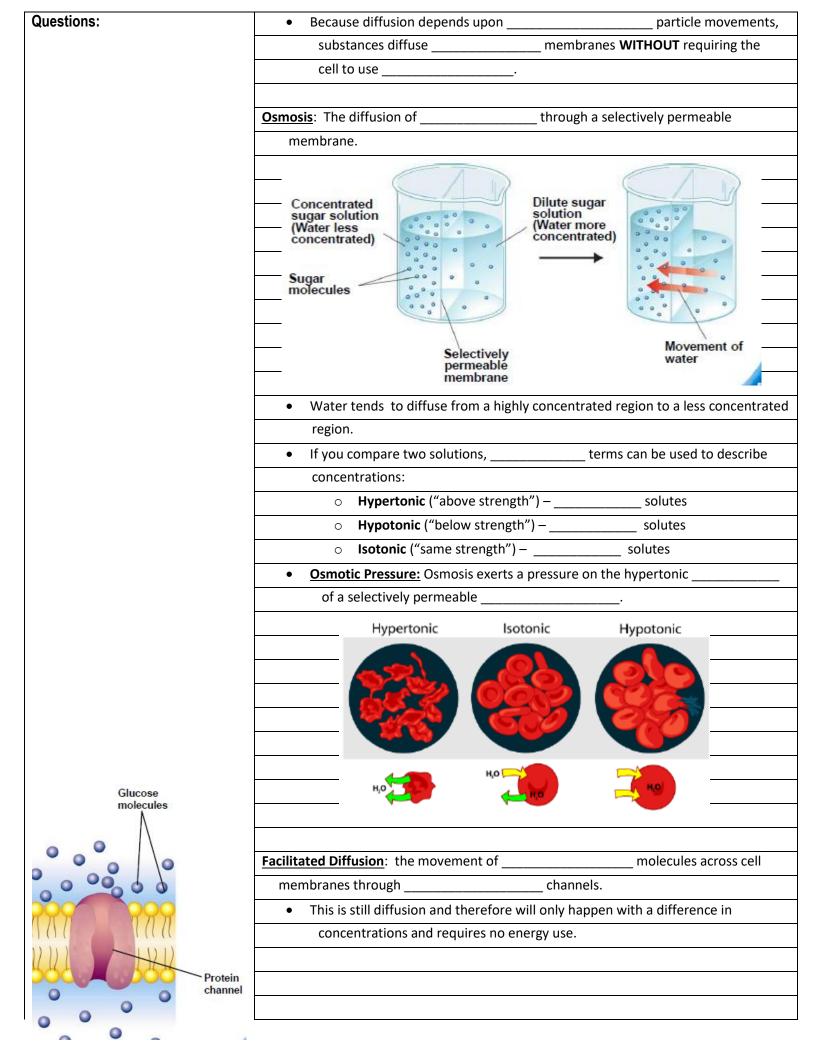
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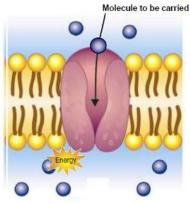
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Date	

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CHAP 8.3 – Cell Transport

Essential Question(s):				
Questions:	All cells are surrounded by a	, flexible barrier known as the		
	cell membrane.			
	Many cells also produce a	supporting layer around the membrane		
	known as the <u>cell wall.</u>			
	Cell Membrane: Regulates what	and the cell		
	also provides protection and supp			
	The composition of nearly all cell men			
	sheet called a <u>lipid bilayer.</u>			
	In addition to lipids, most cell membr	ranes contain molecules		
	that are embedded in the lipid bila	yer.		
	Outside of cell	Carbohydrate Proteins chains		
	Cell membrane y would not the second of the	MANAGAMANA		
	Inside of cell (cytoplasm) Protein channel	Lipid bilayer		
	Cell Wall: Are found in, alg	ae,, and many prokaryotes.		
	The main function of the cell wall is to	provide and		
	·			
	Plant cell walls are mostly composed of			
	**One of the most important functions of the cell membrane is to regulate the			
	movement of dissolved molecules from the	iquid on one side of the membrane		
	to the liquid on the other side. **			
	Measuring Concentration:			
	A solution is a	of two or more substances.		
	The substances dissolved in the solut			
	The <u>concentration</u> of a solution is the			
		tion, or mass/volume.		
	<u>Diffusion:</u> Particles in a solution tend to mov	e from an area where they are		
Solute	concentrated to an area where they are			
	This process is called <u>diffusion</u> .			
Cell Membrane Membrane Membrane	When the concentration of the solute	e is thethroughout a system,		
	the system has reached equilibriun	<u>1.</u>		





Summary:

		om which the materials w			
a co		tion difference. This proc		<u>ve transport.</u>	
•	Active	transport REQUIRES ene	rgy.		
1.		ular Transport: In active t			
	carr	ied across membranes by	′	in the mer	mbrane.
	a.	Energy use in these syst	tems enables	to concentra	ite
		<u> </u>		ven when diffusion mig	ght move
		them in the		_ direction.	
2.	Endoc	<u>ytosis:</u> is the process of _			
	a.			·	
				ell then	
	b.	Pinocytosis: tiny	form	along the cell membra	ane, fill
		with	, and pinch of	ff to form vacuoles with	hin the
		·			
3.	Exocyt	osis: when materials are			
	0	the membrane of the va	acuole surround		
		with the cell membra	ane,	the content	s out of
		the cell.			
			_		