Name	Date
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## Chapter 7.3 Cell Boundaries

1.	Name two functions of the cell membrane:	
2.	The cell membrane contains	molecules that are embedded in the lipid bilaye
3. '	Why do scientists call the membrane a "mosaid	5"?
	On the image, label the  a. lipid bilayer  b. protein channel c. carbohydrate chains	
5. '	What three types of organisms have cell walls?	
6. '	What is the main function of the cell wall?	
7. V	What are plant cell walls composed of?	
8. (	One of the most important functions of the cell	membrane is to the movement
	of dissolved	from the liquid on one side of the membrane to the
	liquid on the other.	
9	A solution is a o	of two or more substances.
10.	Define diffusion:	
11.	When the particles are the same throughout,	the system has reached
12.	Oiffusion depends on(circle) require energy.	_ particle movements, therefore it [does   does not]
os	MOSIS	
13.	If a substance is able to diffuse across a mem	brane, the membrane is said to be
14.	Define osmosis:	
15.	Isotonic means	
	Hypertonic means	<u></u>
	Hypotonic means	
16.	Because cells are hypertonic in relation to free	sh water, produces
	a net movement of water into the cell. If the	at happens, the cell will become
	and car	ı even burst.
17.	In plant and bacteria cells, what keeps them for	rom bursting due to osmotic pressure?

FACILITATED DIFFUSIO	N		
18. Cell membranes have	e	that make it easy	for certain molecules to
cross the membrane.			
19. When proteins help m	nolecules move across the	e membrane, it is called	
ACTIVE TRANSPORT			
20. Active transport move	es molecules [ with   again	st] the concentration grad	lient.
21. Active transport requi	res		
22. Changes in protein sh			
23. Define endocytosis: _			
24. What are the two type	es of endocytosis?		
25. How does an amoeba	a gets it food?		
26. Cells release large ar	nounts of material in a pro	cess called	
TEST YOURSELF			
1. Which of the following	is NOT an example of ac	tive transport?	
a. facilitated diffus	ion b. osmosis	c. endocytosis	d. both a & b
2. Which process always	involves the movement of	f materials from inside the	cell to outside the cell?
a. osmosis	b. exocytosis c. pha	gocytosis d. pinocyto	osis
2. Call mambranes are as	anatrustad mainly fram:		
3. Cell membranes are co	•	o protoin numno	d frag maying protains
a. lipid bilayers	b. carbohydrate gates	c. protein pumps	d. free moving proteins
4. A substance that move	es across a cell membrane	without using the cell's e	nergy tends to move:
a. away from the a		•	
b. away from the a	area where it is less conce	entrated	
•	area where it is more cond		
d. toward the mide	dle of the cell		
5. The movement of water	er across a selectively peri	meable membrane is calle	ed:
a. exocytosis	b. endocytosis	c. phagocytosis	d. osmosis