RAVEN CHAPTER 5 GUIDED NOTES: MEMBRANES

Raven 9th edition

	escribe the structure of a phospholipid molecule. Be sure describe their behavior in relation ship to water.
	hat happens when a collection of phospholipids plecules are placed in water?
	plain the significance of this behavior in relationship to evolution of life.
	hat is meant by the phrase "the plasma membrane is id"?
Ex	plain the fluid mosaic model.
 Hc	ow is the fluidity of the cell membrane altered?

	cribe the components of the cell membrane. Explain unction of each and give an example
a.	
b.	
C.	
d.	
prote	and briefly describe the different classes of membraneins and the roles they play.
prote a	
prote a	eins and the roles they play.
prote a b c	eins and the roles they play.
prote a b c d	eins and the roles they play.

9.	Describe how the structure of membrane proteins allows some proteins to be permanently anchored within the cell membrane as a transmembrane protein whereas other proteins can move freely about the surface of the membrane.			
10.	The cell membrane is selectively permeable. Explain what that means. Which molecules easily cross the membrane? How are molecules transported that do not easily cross the membrane?			
11.	Define the following			
12.	a. Diffusion			
b. Facilitated Diffusion				
c. Osmosis				
d. Hypotonic				

e. Hypertonic				
f. Isotonic				
12.	Explain how facilitated diffusion works and give an example.			
13.	What is the function of aquaporins? Why are they necessary?			
14.	What do animal & plant cells do when placed in solutions that are: a. Hypotonic			
	b. Hypertonic			
	c. Isotonic			
17.				

18. What is the difference between exocytosis and endocytosis?

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	Distinguish between pinocytosis and phagocytosis.
-	Describe an example of receptor-mediated endocytosis.
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-	How do active and passive transport differ?
1	The sodium-potassium pump uses to pump out of the cell and into the cell.
	Define coupled transport and give an example.
-	Define counter transport and give an example
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