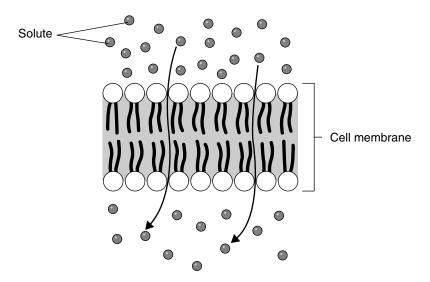
Nar	me Date				
	ection 7–3 Cell Boundaries (pages 182–189)  Key Concepts  What are the main functions of the cell membrane and the cell wall?  What happens during diffusion?  What is osmosis?				
	Il Membrane (page 182) What are the functions of the cell membrane?				
2.	The core of nearly all cell membranes is a double-layered sheet called a(an)				
3.	What is the difference in the function of the proteins and the carbohydrates attached to a cell membrane?				
	II Walls (page 183) In what organisms are cell walls found?				
5.	Is the following sentence true or false? The cell wall lies inside the cell membrane.				
6.	. What is the main function of the cell wall?				
7.	. What are plant cell walls mostly made of?				
	ffusion Through Cell Boundaries (pages 183–184) What is the concentration of a solution?				
9.	What is diffusion?				
10.	What is meant when a system has reached equilibrium?				

**11.** The molecules of solute in the illustration are moving through the cell membrane from top to bottom. Indicate with labels which side of the membrane has a high concentration of solute and which has a low concentration.



## Osmosis (pages 185-186)

**12.** What does it mean that biological membranes are selectively permeable?

13. What is osmosis?

**14.** Is the following sentence true or false? Water tends to diffuse from a region where it is less concentrated to a region where it is highly concentrated. \_\_\_\_\_

**15.** When will water stop moving across a membrane? \_\_\_\_\_

*Match the situation to the description.* 

## Situation

**16.** Two solutions are isotonic.

\_\_\_\_\_ **17.** A solution is hypertonic.

\_\_\_\_\_ **18.** A solution is hypotonic.

## Description

**a.** The solution is above strength in solute.

**b.** The solutions are the same strength.

**c.** The solution is below strength in solute.

19. On which side of a selectively permeable membrane does osmosis exert a pressure?

Name		Class	Date
	<b>Diffusion</b> (page pens during the production)		n?
<b>21.</b> What is the	role of protein char	nels in the cell membran	e?
	wing sentence true		sion does not require the cell to
<ul><li>23. The energy concentrat</li><li>24. Is the follow during the</li></ul>	ion difference is call wing sentence true or processthe table about the t	that moves material acrosted edr false? Active transport al	lways requires transport proteins
Туре	Description	ES OF ACTIVE TRANSPO	יחי
Endocytosis			
Phagocytosis			
Exocytosis			
_	docytosis, what hap the membrane?	pens to the pocket in the	cell membrane when it breaks