Name)
	Hour

Cell Membrane (pg. 182)

Write the title for the diagram and then label its parts. Use these choices:



Use each of the terms below just once to complete the passage.

glucose organism	cell membrane balance								
Living Cells maintain a (1)		by Controlling materials that enter and leave.							
Without this ability, the	Cell Cannot maintain (2)	and will die. The cell must							
regulate internal ConCen	trations of water, (3)	, and other nutrients and must							
eliminate waste products	5. Homeostasis in a cell is	maintained by the (4),							
which allows only certain	partiCles to pass through	and keeps other particles out. This property of a							
membrane is known as (5))	It allows different cells to carry on different							
aCtivities within the same	e (6)	·							
Answer the following qu	estions.								
7. What is a lipid bilayer?	(pg. 182)								

8. Why is the current model of membrane structure called a mosaic? (pg. 182)

9. What are the bumps in the bilayer? How are they arranged in the bilayer? (pg. 182)

For each statement, Write true or false. (pg. 182, 183, notes)

_10.	The structure and	properties	of the	cell	wall	allow	it to	be	selective	and	maintain	
	homeostasis.											

11. The cell membrane is a bilayer of lipid molecules with protein molecules embedded in it.

- 12. A phospholipids molecule has a nonpolar, water-soluable head attached to a long polar, soluable tail.
- 13. The fluid mosaic model describes the cell membrane as a structure that is liquid and very rigid.
- ____14. Cell membranes can contain cholesterol, which tends to make the membrane more stable.
- _____15. Proteins span the cell membrane, creating the selectively permeable membrane that regulates which molecules enter and leave a cell.
- 16. Proteins at the inner surface of the cell membrane attach the membrane to the cell's support structure, making the cell rigid.