homeostasis

## The Plasma Membrane

glucose

Reinforcement and Study Guide

In your textbook, read about maintaining a balance.

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ι	Jse	each	of th	ie terms	below	iust	once to	comp	lete	the	passage

plasma membrane

organism balance selective perme	eability
Living cells maintain a (1) by controlling materials that	enter and leave. Without this
ability, the cell cannot maintain (2) and will die. The	ne cell must regulate internal con-
centrations of water, (3), and other nutrients and m	ust eliminate waste products.
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 o	different activities within the
same <b>(6)</b>	
In your textbook, read about the structure of the plasma membrane.	
For each statement below, write <u>true</u> or <u>false</u> .	
<b>7.</b> The structure and properties of the cell maintain homeostasis.	wall allow it to be selective and
<b>8.</b> The plasma membrane is a bilayer of lip embedded in it.	id molecules with protein molecules
<b>9.</b> A phospholipid molecule has a nonpolar a long polar, soluble tail.	; water-insoluble head attached to
<b>10.</b> The fluid mosaic model describes the plais liquid and very rigid.	asma membrane as a structure that
<b>11.</b> Eukaryotic plasma membranes can conta the membrane more stable.	ain cholesterol, which tends to make
<b>12.</b> Transport proteins span the cell membra able membrane to regulate which molec	• • •
<b>13.</b> Proteins at the inner surface of the plasm	na membrane attach the membrane

to the cell's support structure, making the cell rigid.