

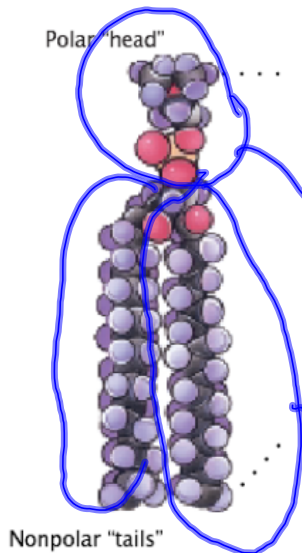
Cell Membrane only allows  
select substances through.

That is called being Semi -  
permeable

Sep 30 - 9:09 AM

**a** This phospholipid  
molecule ...

Polar "head" ...



Nonpolar "tails"

Cell Membrane is  
made of phospholipids.

This is a  
phospholipid. It is  
made up of a  
phosphate group  
and two fatty  
acids.

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**a This phospholipid molecule . . .**

Polar "head"

Nonpolar "tails"

**b . . . is part of a lipid bilayer.**

**c The lipid bilayer forms the framework of the cell membrane.**

The non-polar ends are both on the inside because the water repels them.

The diagram consists of three parts. Part (a) shows a single phospholipid molecule with a purple spherical polar head and two red and white beaded nonpolar tails. Part (b) shows several such molecules arranged in a bilayer, with heads facing outwards and tails facing inwards. Part (c) shows a larger section of the bilayer, illustrating how it forms the basic structure of a cell membrane.

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**d The lipid bilayer and its associated proteins make up the cell membrane.**

Marker protein

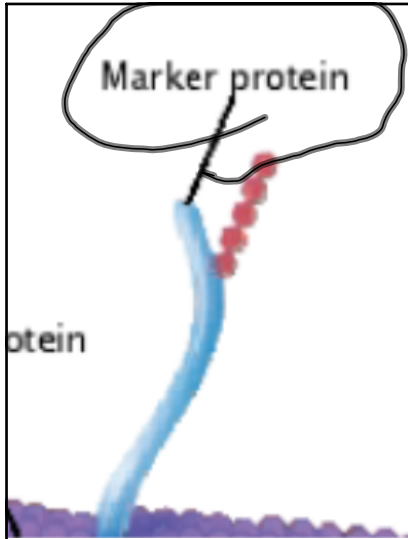
Channel protein

Receptor protein

The diagram shows a cross-section of a cell membrane. It features a purple lipid bilayer with several blue proteins embedded within it. One protein is a channel protein, which forms a pore through the membrane. Another is a receptor protein, which has a specific binding site. A marker protein is also shown, which is used to identify the cell. The membrane is shown in a curved, three-dimensional perspective.

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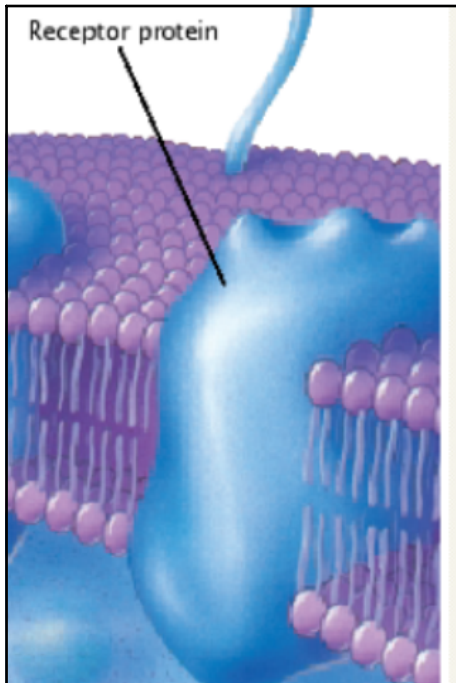
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**Helps other cells recognize their cell type.**

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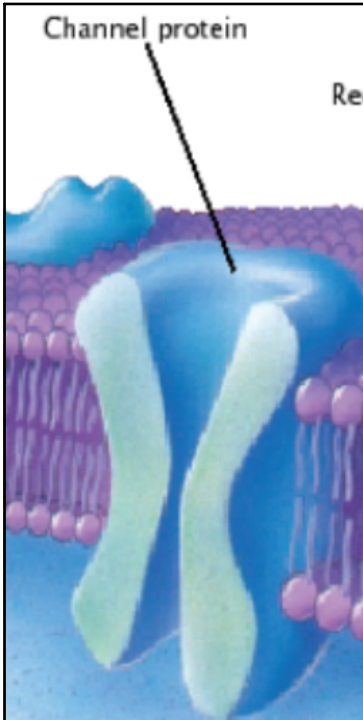


*Receptor protein*

**Recognize and bond to specific substances or signals.**

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# Channel Protein

**Otherwise known as a transport protein helps the movement of substances into and out of the cell.**

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