

**Cell Membrane only allows
select substances through.**

That is called being semi -

permeable

clothing

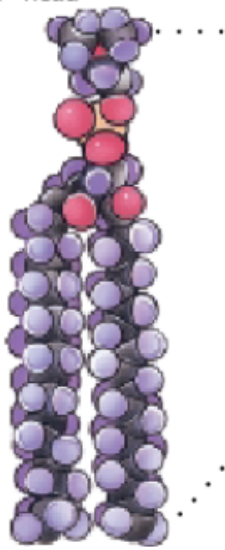
Screen door

Strainer

Coffee filter

a This phospholipid molecule . . .

Polar "head"

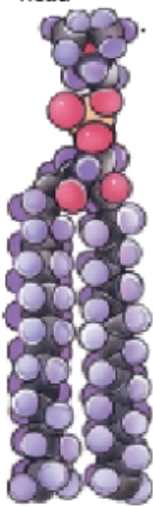


Nonpolar "tails"

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

a This phospholipid molecule . . .

Polar "head"



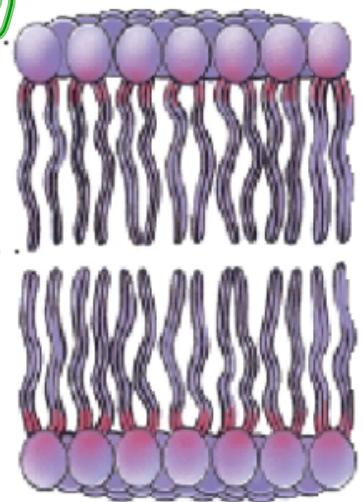
Nonpolar "tails"

b . . . is part of a lipid bilayer.

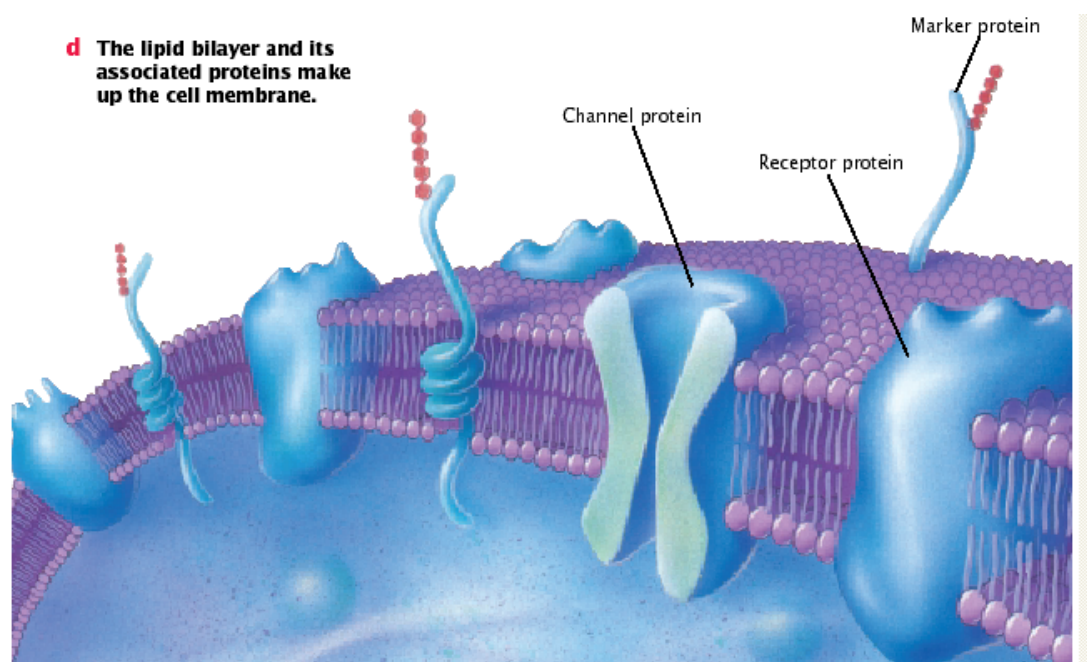


Bilayer

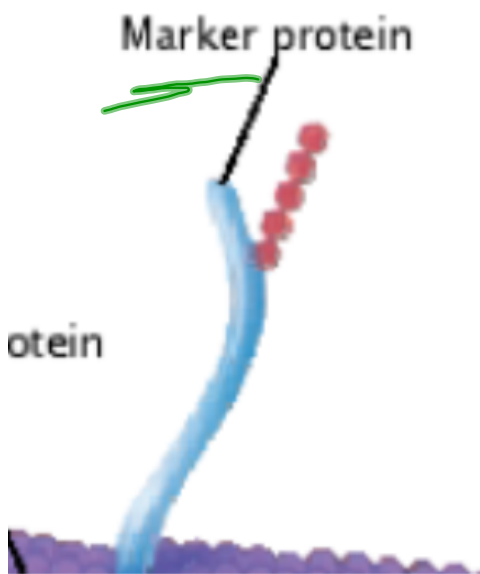
c The lipid bilayer forms the framework of the cell membrane.



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

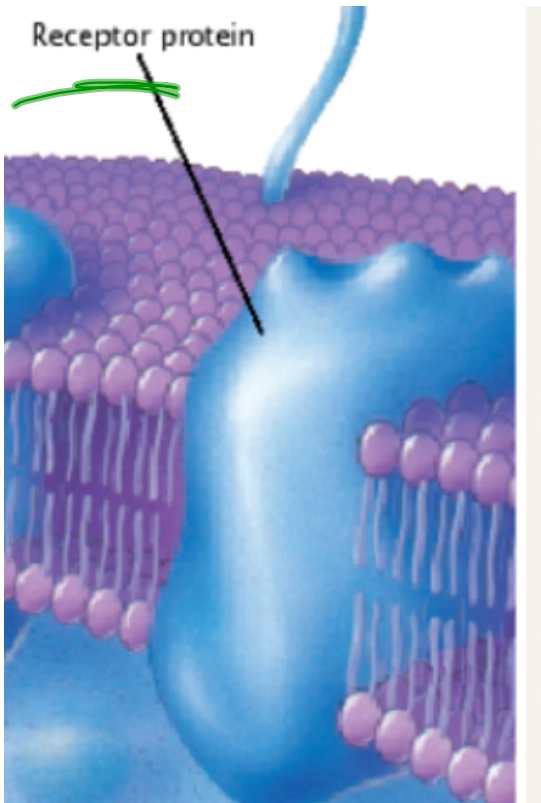


HOLT BioSources / Teaching Transparencies



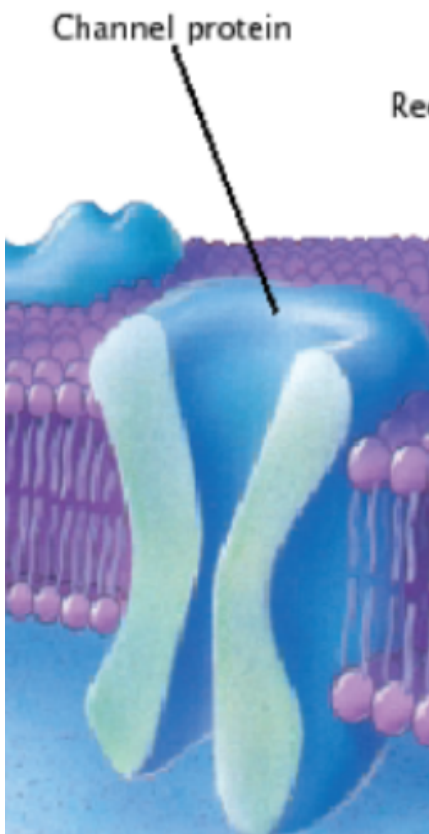
Helps other cells
recognize their
cell type.

HOLT BioSources / Teaching Transparencies



Recognize and
bond to
Specific
substances or
Substrates

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

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