

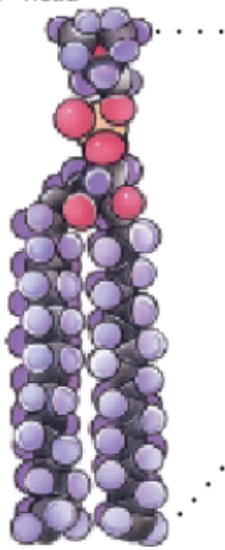
**Cell Membrane only allows  
select substances through.**

**That is called being semi -  
permeable**

screen door  
coffee filter  
strainer

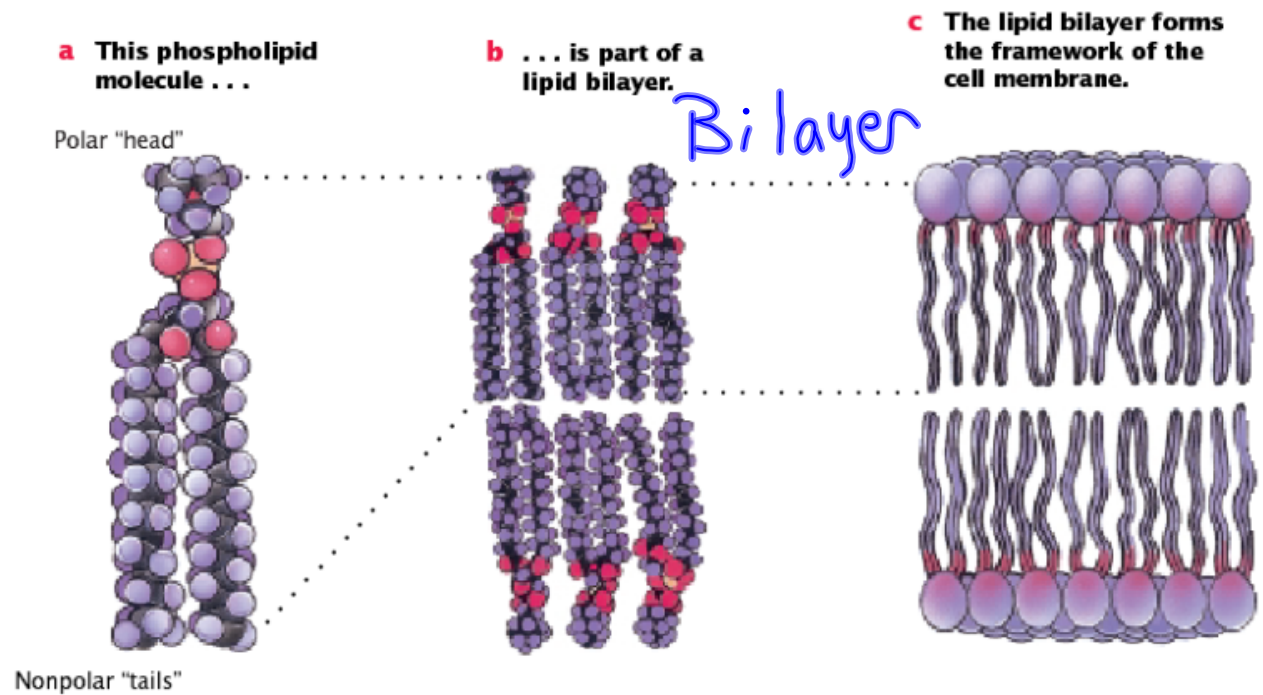
**a This phospholipid molecule . . .**

Polar "head" . . . .

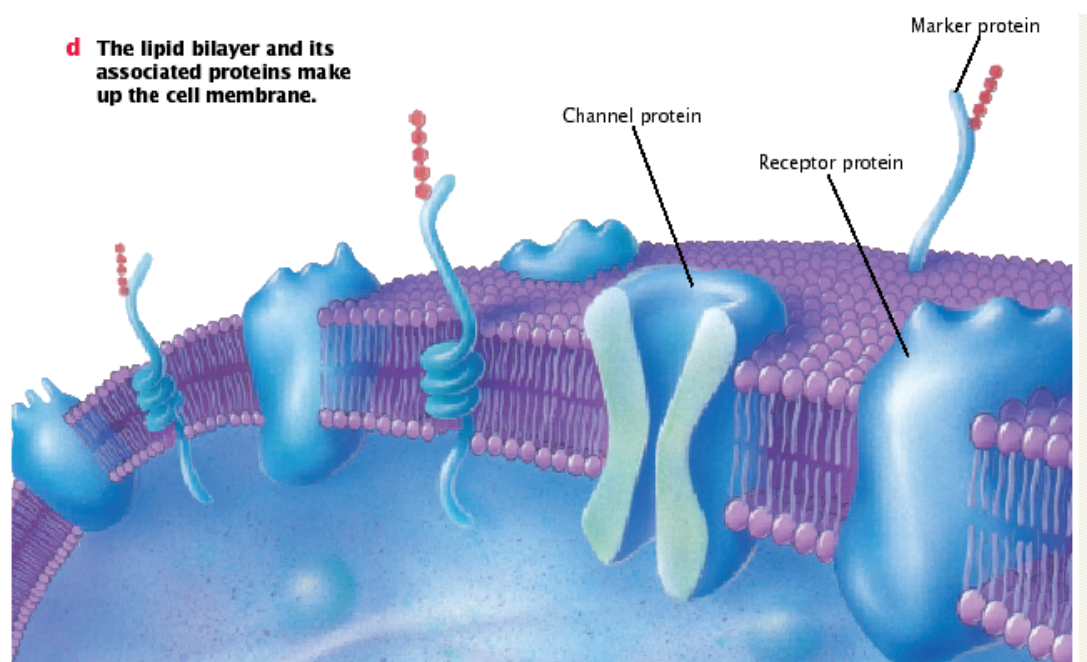


Nonpolar "tails" . . . .

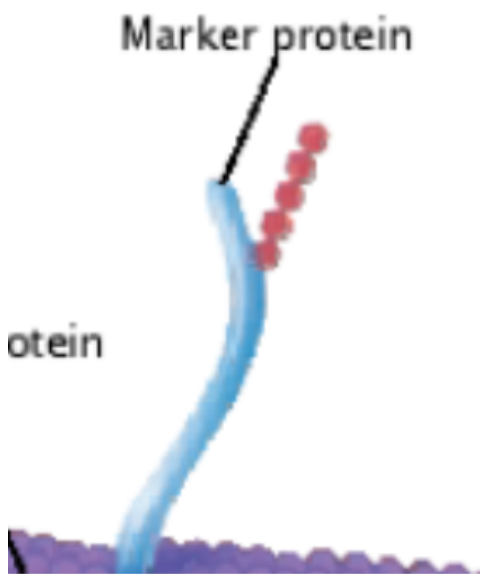
This is a  
phospholipid. It is  
made up of a  
phosphate group  
and two fatty  
acids



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

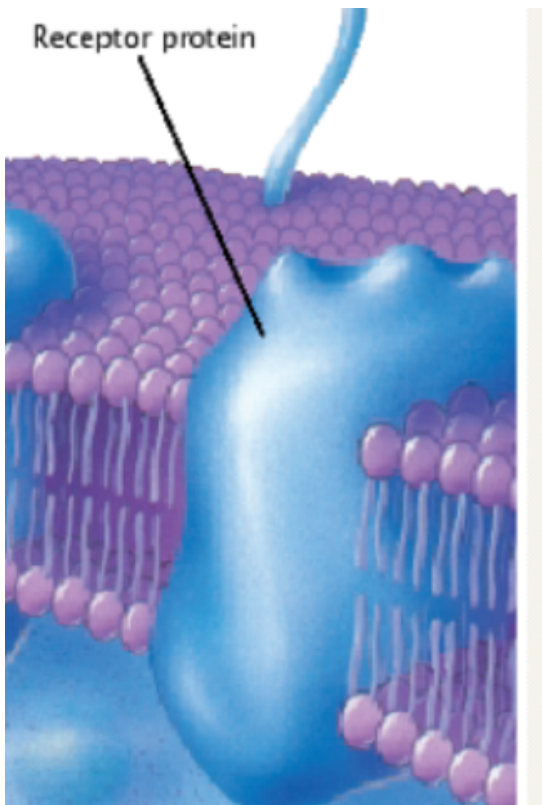


HOLT BioSources / Teaching Transparencies



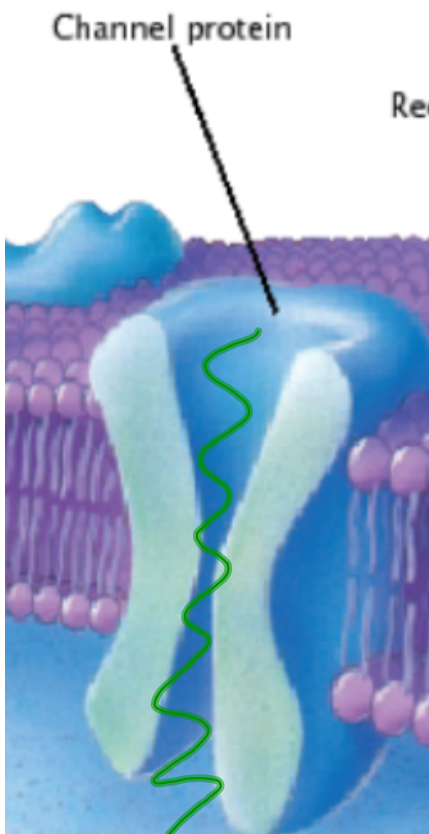
**Helps other cells**  
recognize **their**  
**cell type.**

HOLT BioSOURCES / Teaching Transparencies



HOLT BioSources / Teaching Transparencies

**Recognize and  
bond to  
Specific  
substances or  
substrates/  
Signals**



HOLT BioSources / Teaching Transparencies

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