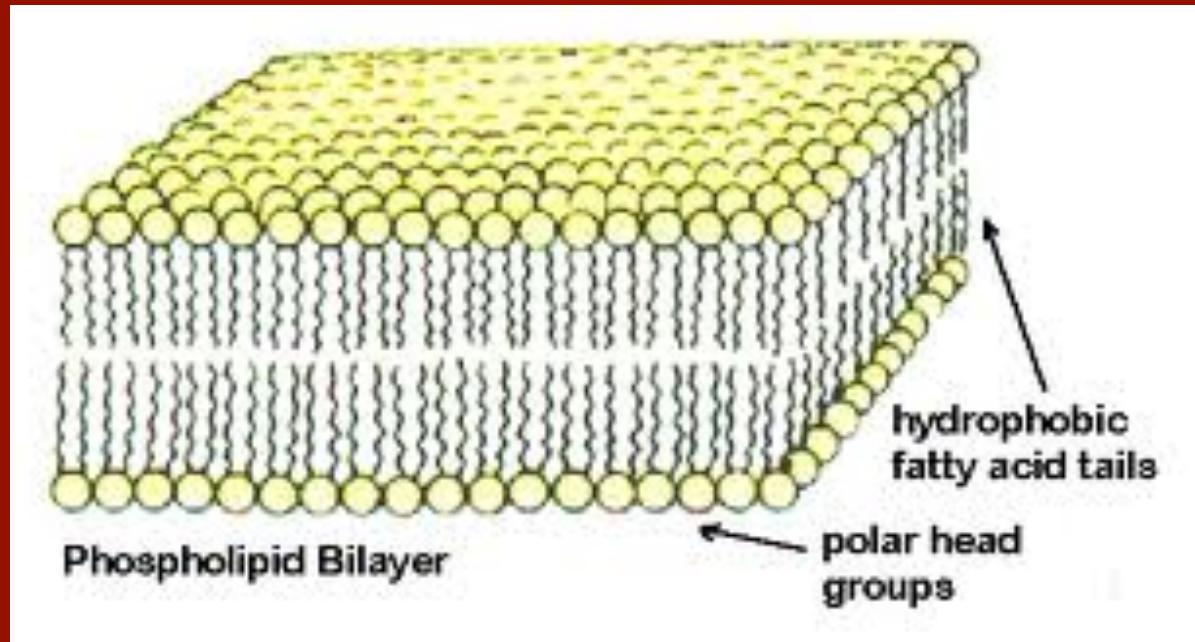


# 7-3: Movement Through the Membrane

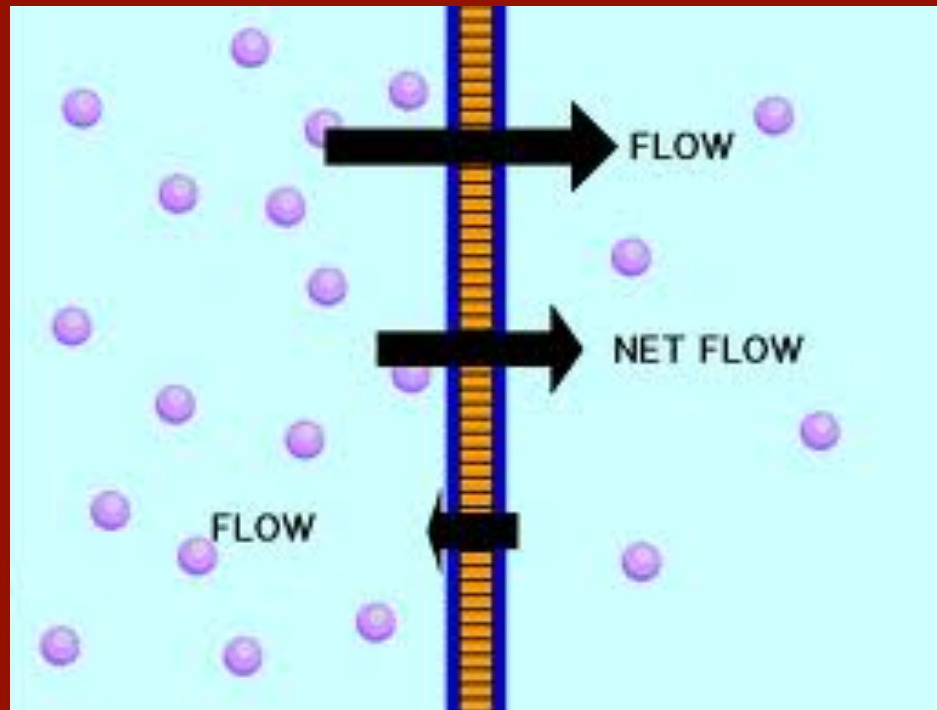
## Essential Questions:

- What are the main functions of the ***cell membrane***?
- What happens during ***diffusion***?
- How does ***osmosis*** apply to the dynamics of ***isotonic***, ***hypotonic*** and ***hypertonic*** solutions?
- What is the difference between ***active transport*** and ***diffusion***?

# 1. Cell Membrane: lipid bi-layer

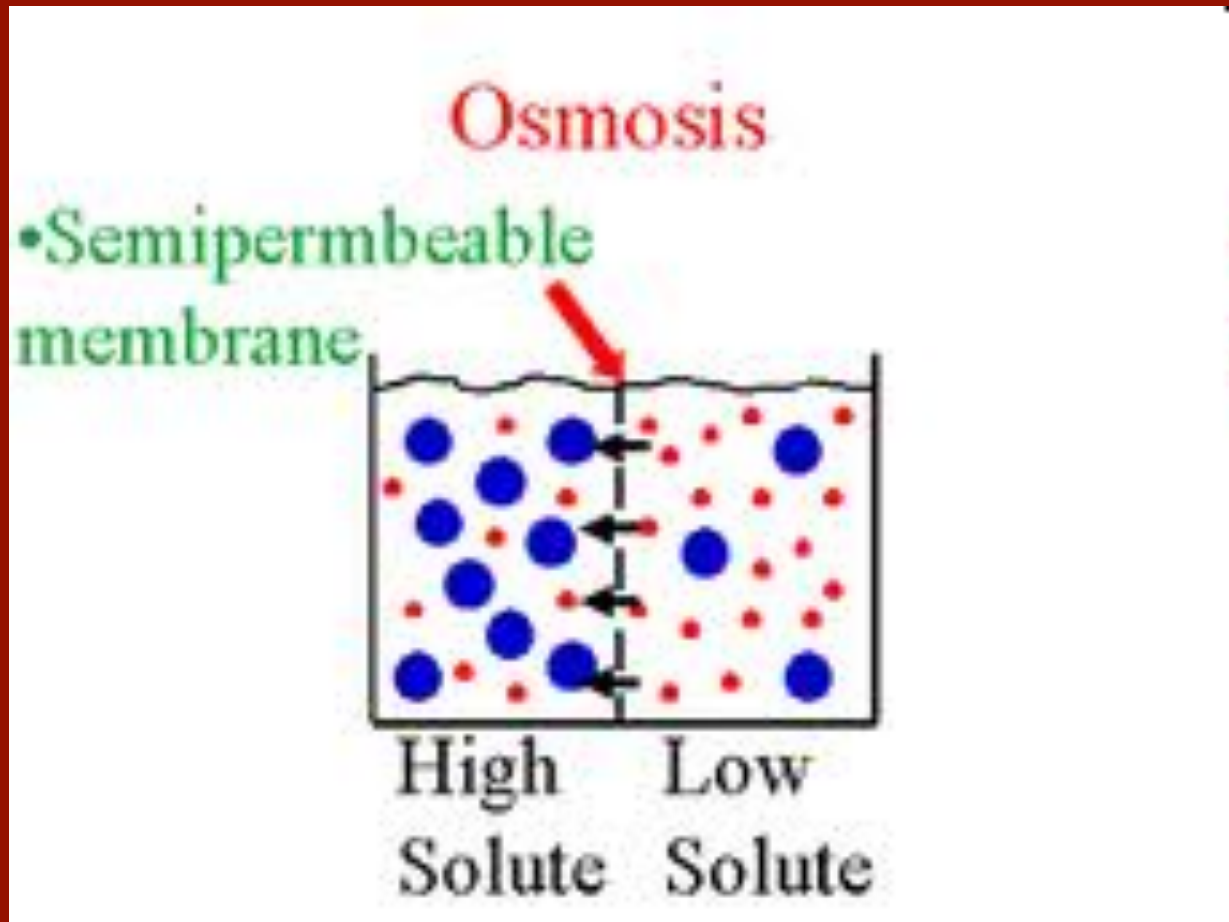


2. Diffusion: goes with concentration gradient – no energy from cell needed

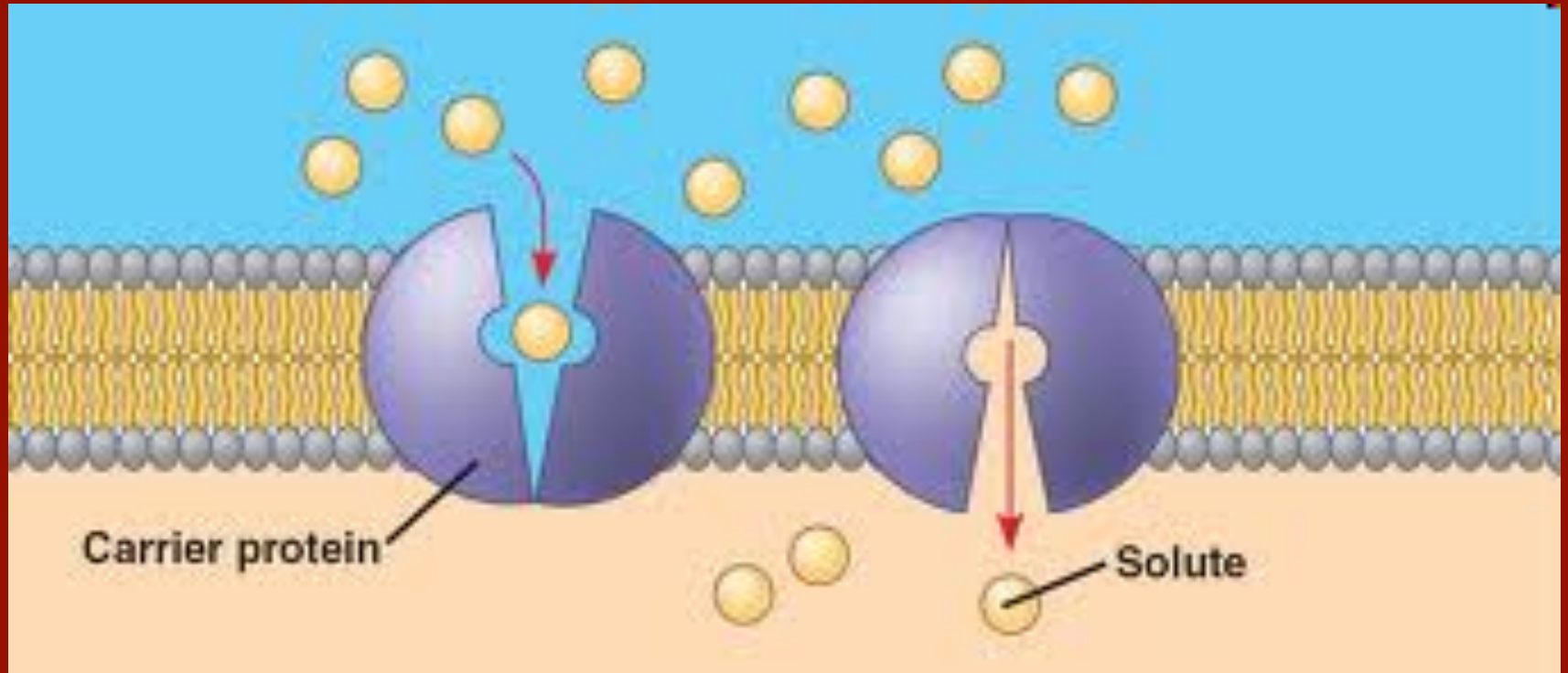


### 3. Osmosis

- a. Diffusion of water through a selectively permeable



## 4. Facilitated diffusion



## 5. Active transport

-Against concentration gradient

