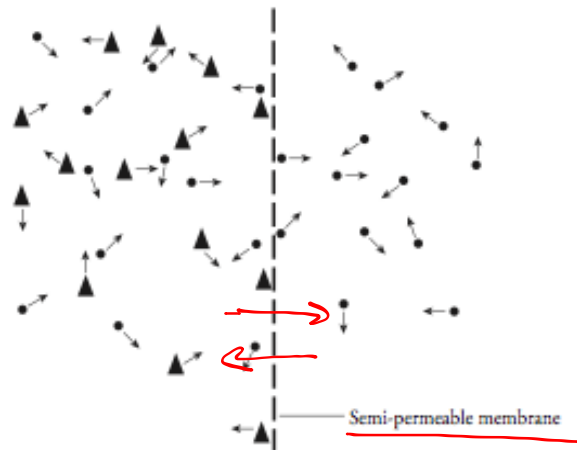
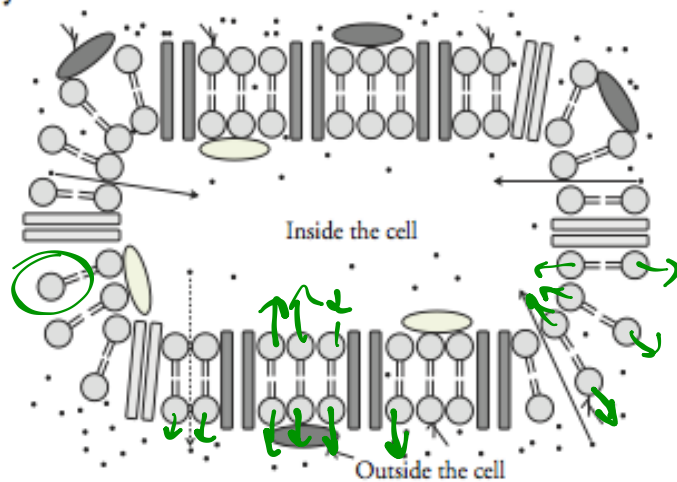
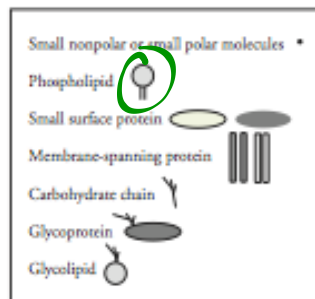


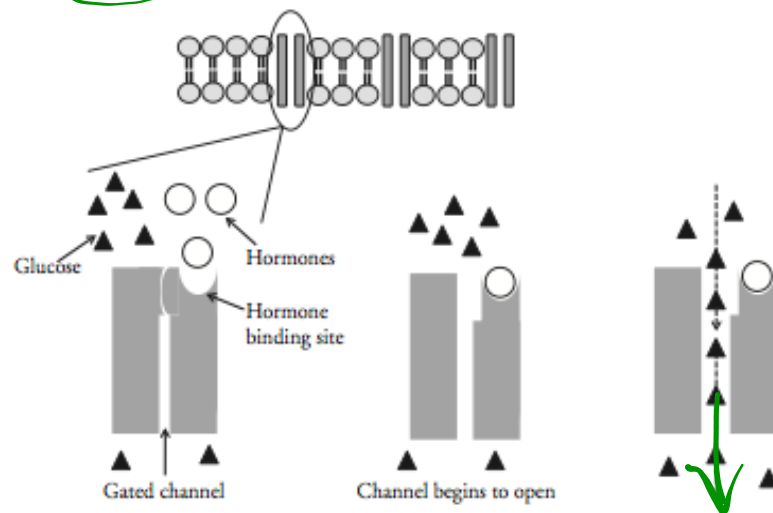
Model 1 – Simple Diffusion



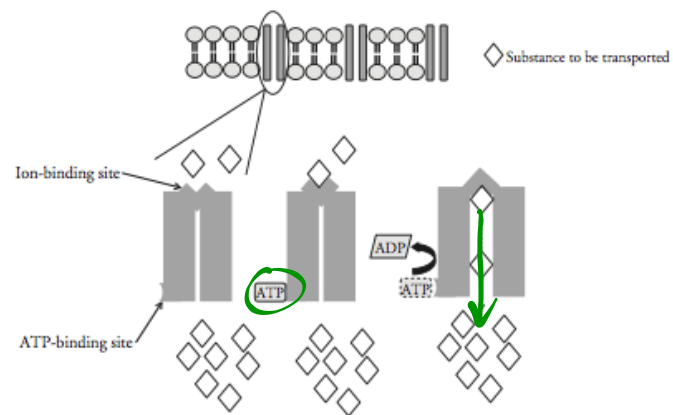
Model 2 – The Selectively Permeable Cell Membrane



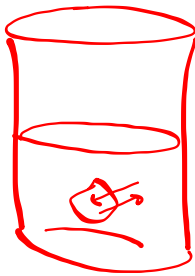
Model 3 – Facilitated Diffusion



Model 4 – Active Transport

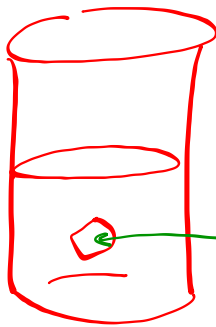


Osmosis - diffusion of H_2O across
a selectively-permeable membrane

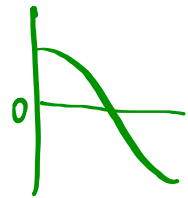


isotonic - equal conc.
of solute outside + in.
- no mass change

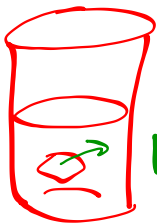
hypotonic solution - Solute conc. outside cell
is lower than in.



H_2O moves in - cell gains mass



hypertonic - solute conc. outside is
higher than in.



H_2O moves out - cell loses mass

