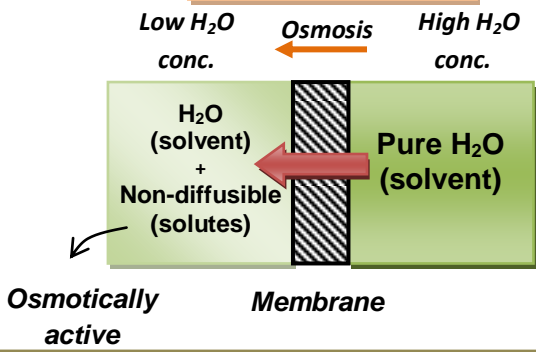
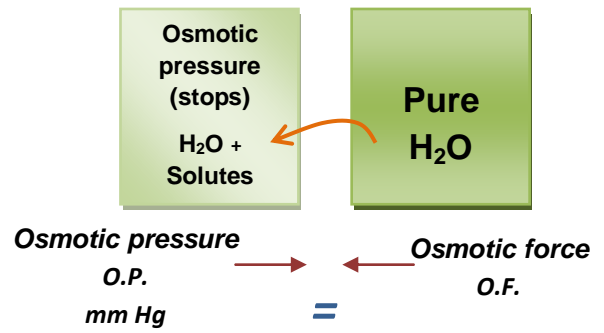


(1) Osmosis

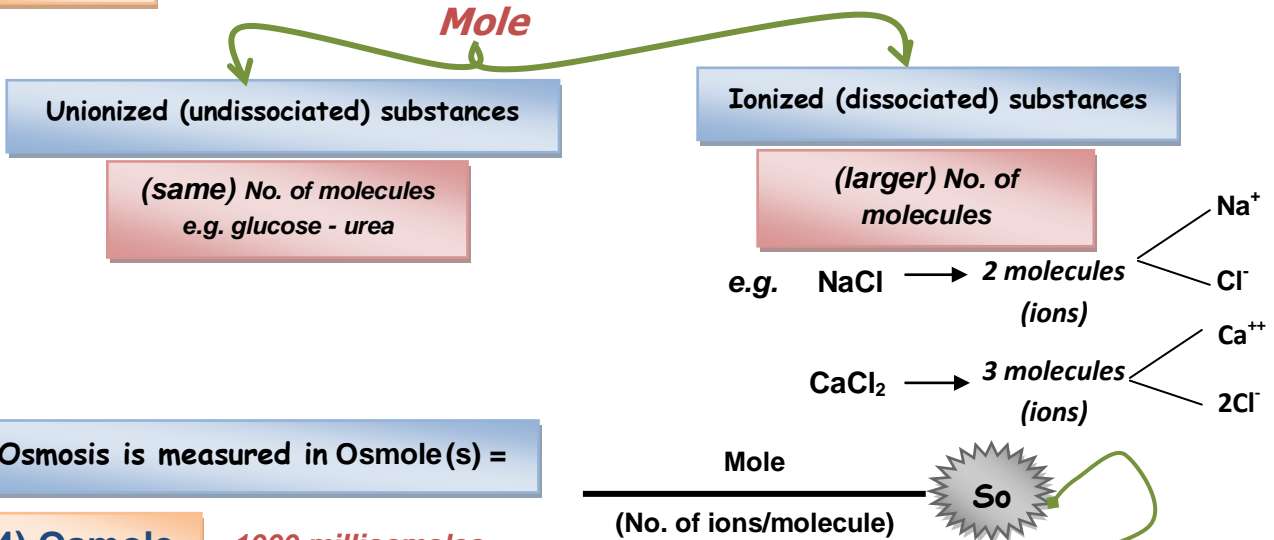


(2) Osmotic Pressure



(3) Mole

M.W. in grams



Osmosis is measured in Osmole(s) =

(4) Osmole = 1000 milliosmoles

Mole of undissociated substance (Glucose) = Osmole

Mole of dissociated (ionized) substance e.g.:

(NaCl) = 2 Osmoles
(CaCl₂) = 3 Osmoles

(5) Osmolar Conc. Osmolarity

More used clinically
Easier

No. of Osmoles per (1) Liter H₂O



(6) Osmolal Conc. Osmolality

More accurate

No. of Osmoles per (1) Kilogram H₂O



(1) L. nearly = (1) Kg of H₂O
So Osmolarity = Osmolality

(7) Tonicity

