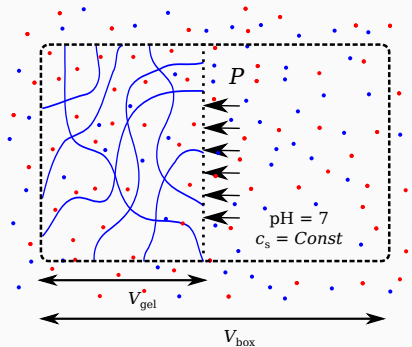
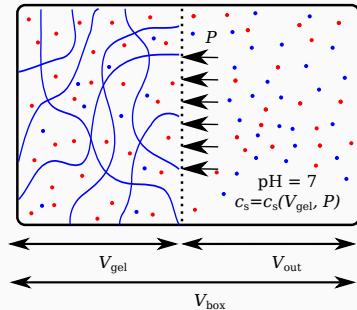


Two ways of hydrogel compression



Open system: Compression under constant salinity c_s

$$p = p(c_p, c_s)$$



Closed system: constant number of ions N_{Na^+} and N_{Cl^-}

$$p = p(c_p, c_s)$$

$$N_{\text{Na}^+} = \text{Const}, N_{\text{Cl}^-} = \text{Const}$$