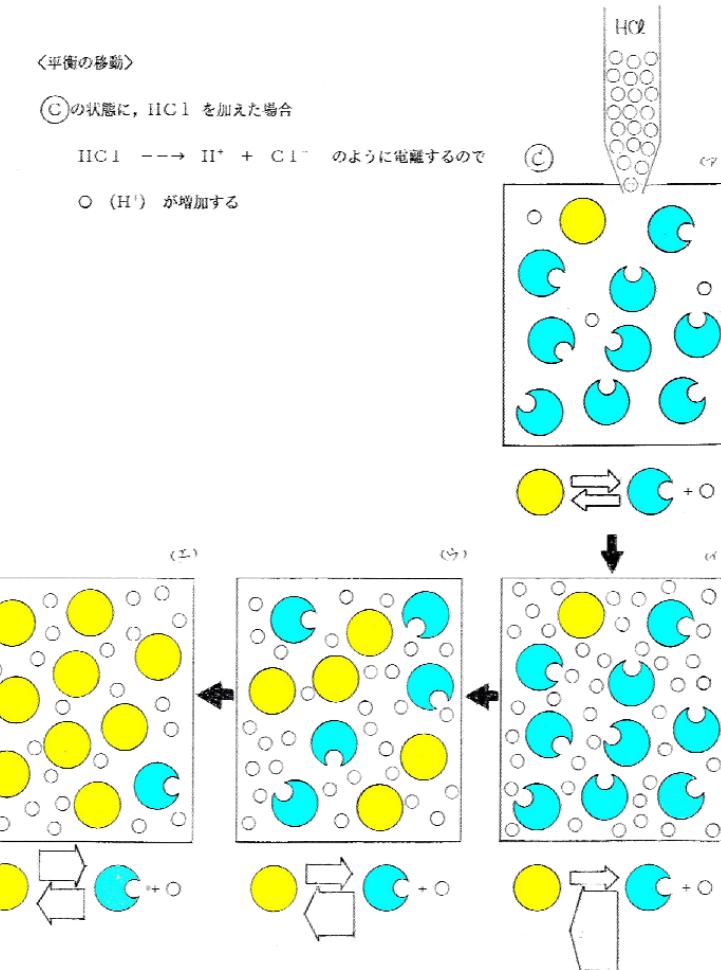
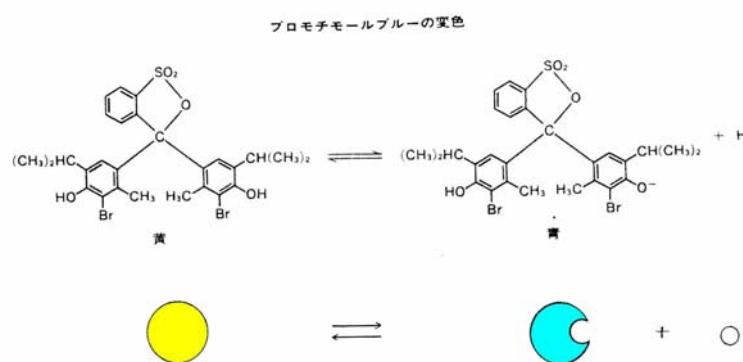
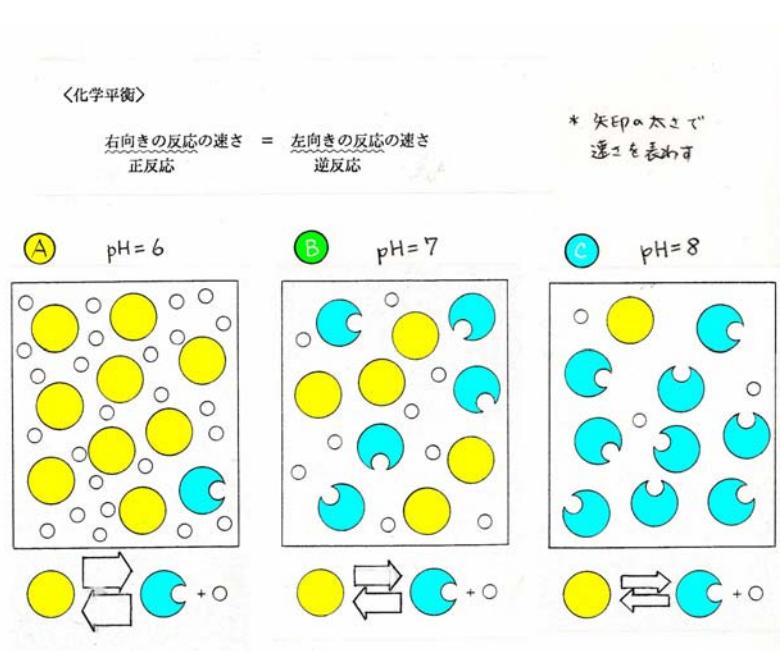


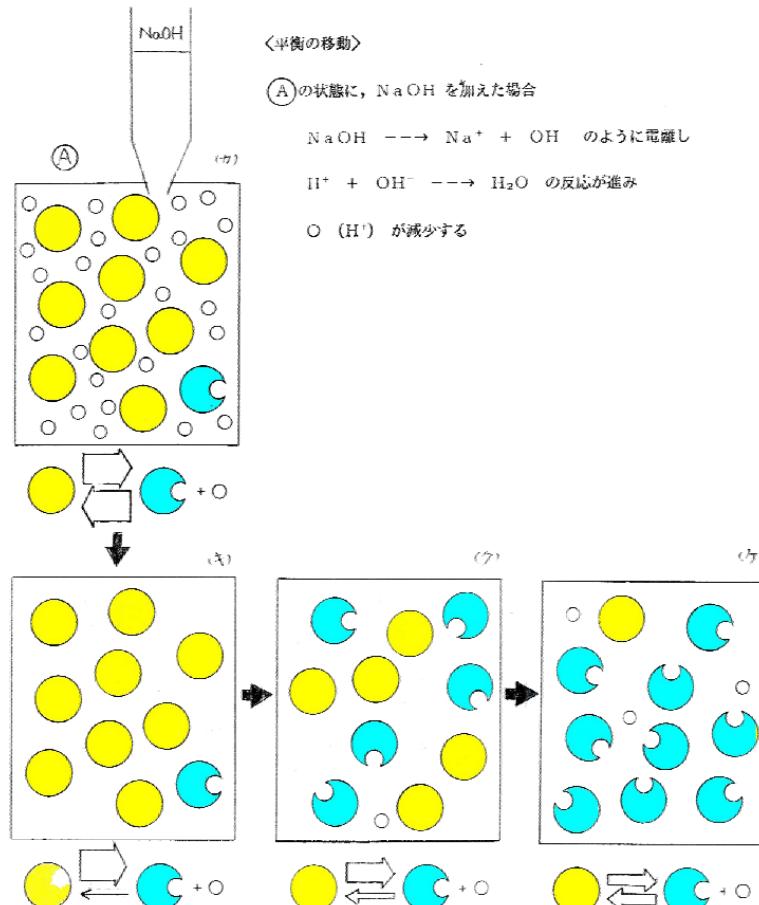
化学平衡 (BTBの場合)

平衡の移動 (BTBの場合) その1



平衡の移動 (BTBの場合) その2

平衡定数



$$\frac{[\text{C}]^c [\text{D}]^d}{[\text{A}]^a [\text{B}]^b} = K \quad (\text{平衡定数})$$

[水]

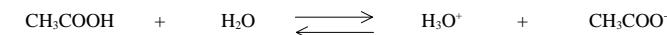
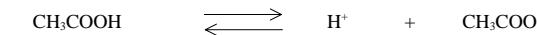


$$\frac{[\text{H}^+][\text{OH}^-]}{[\text{H}_2\text{O}]} = K$$

$$[\text{H}^+][\text{OH}^-] = K[\text{H}_2\text{O}] = K_w$$

$$[\text{H}^+][\text{OH}^-] = K_w = 1.0 \times 10^{-14} \quad (25^\circ\text{C})$$

[酢酸]



$$\frac{[\text{H}^+][\text{CH}_3\text{COO}^-]}{[\text{CH}_3\text{COOH}]} = 1.75 \times 10^{-5}$$