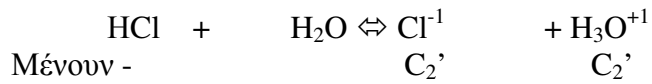
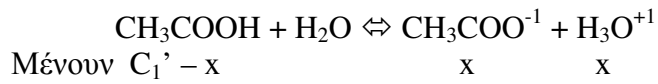


Ανάμιξη των διαλυμάτων

$$\text{Για το CH}_3\text{COOH} : C_1' = \frac{0.1 * V_1}{V_1 + V_2}$$

$$\text{Για το HCl} : C_2' = \frac{10^{-3} * V_2}{V_1 + V_2}$$



$$K = 10^{-5} = \frac{C_2' * [H_3O]_{ol}}{C_1'} \Rightarrow [H_3O]_{ol} = 10^{-5} * C_1' / C_2' \Rightarrow [H_3O]_{ol} = \frac{10^{-5} \frac{0.1V_1}{V_1 + V_2}}{\frac{10^{-3} * V_2}{V_1 + V_2}} \Rightarrow$$

$$[H_3O]_{ol} = 10^{-3} \frac{V_1}{V_2} \dots \text{klit}$$