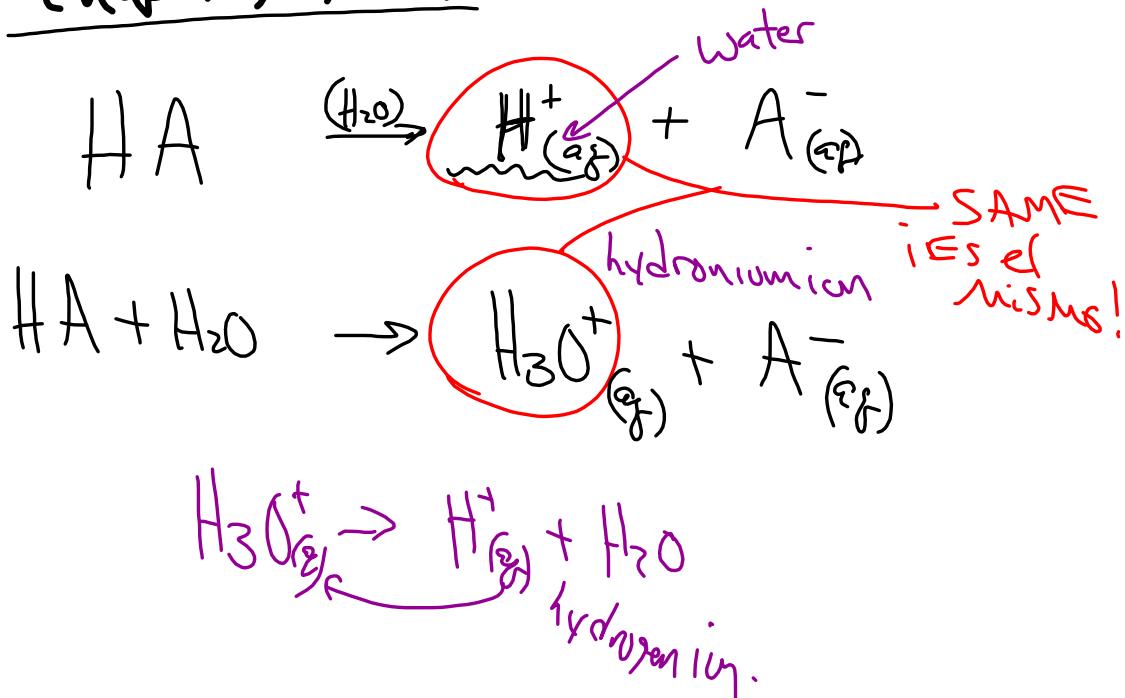
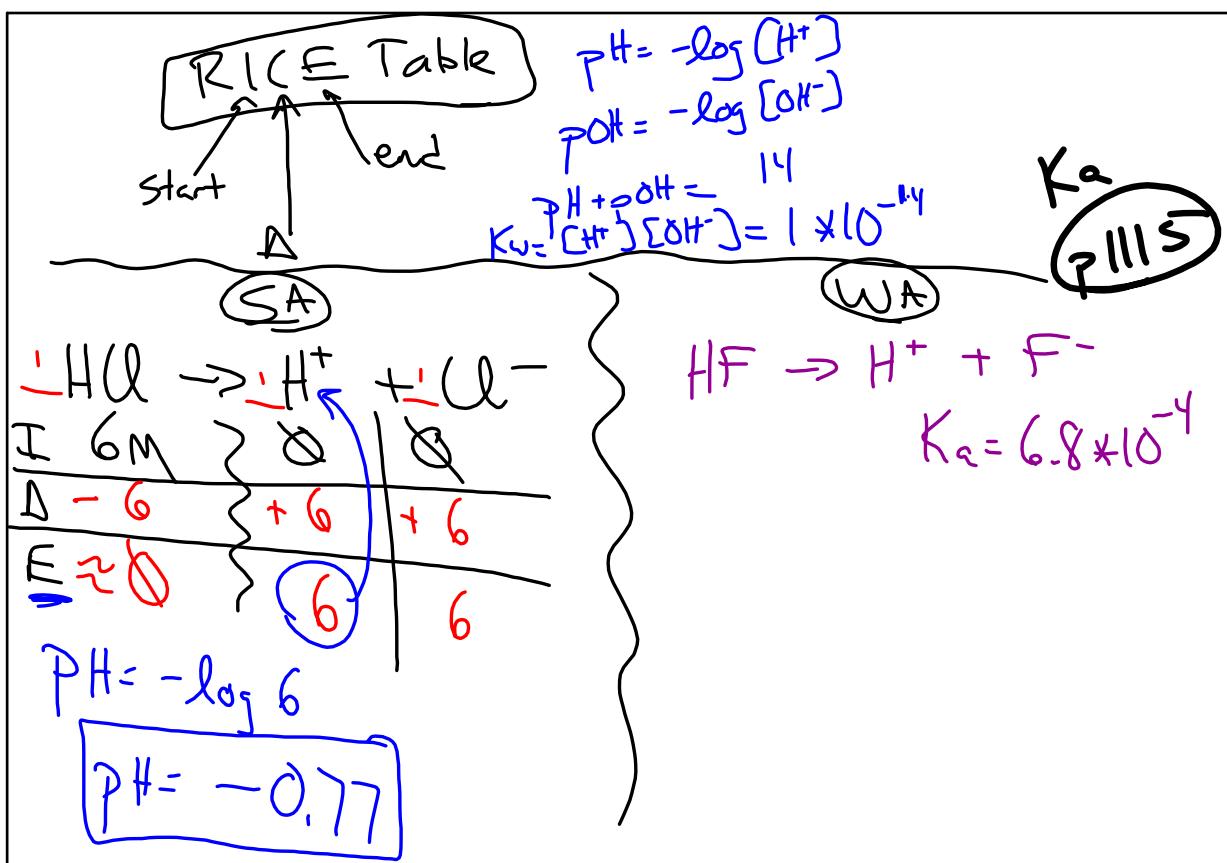
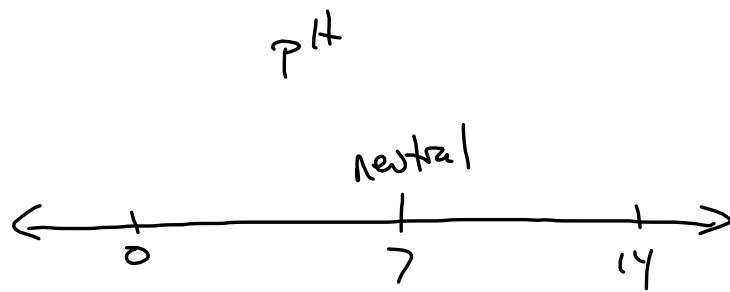


Chap 16, A/B/S

Feb 24-7:35 AM



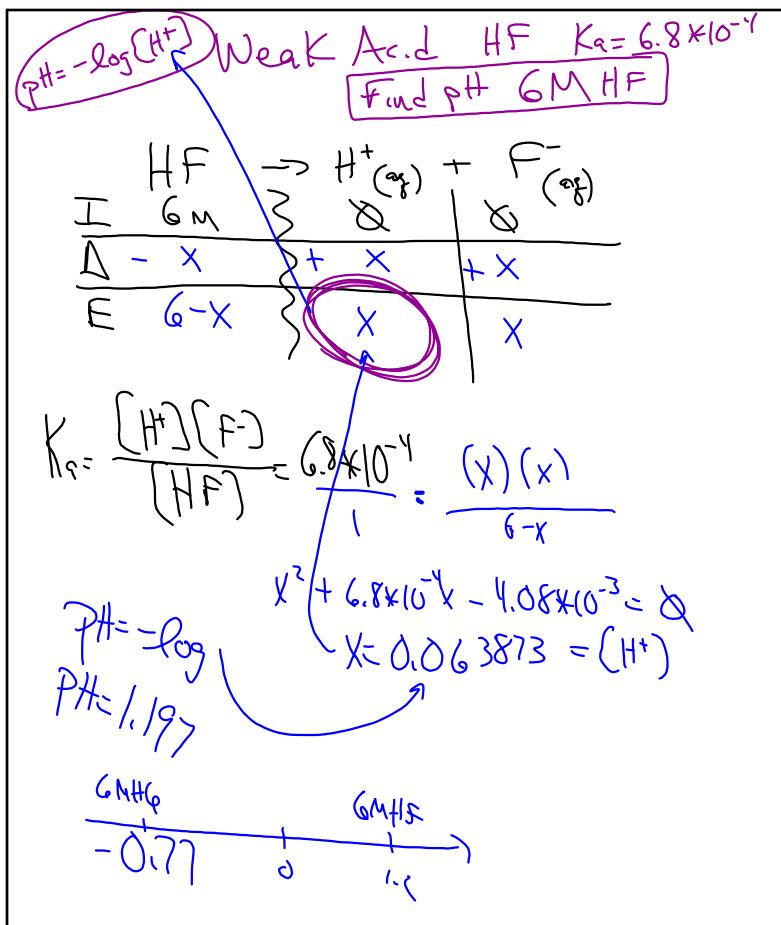
Feb 24-8:21 AM



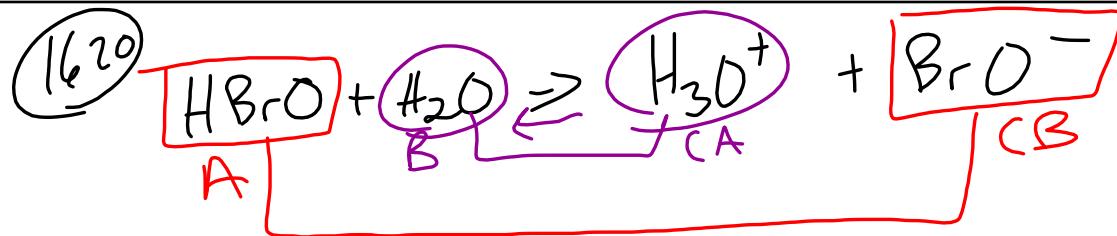
$$6\text{M HCl} \quad \text{pH} = -0.77$$

$$\text{pOH} = 14.77$$

Feb 24-8:27 AM

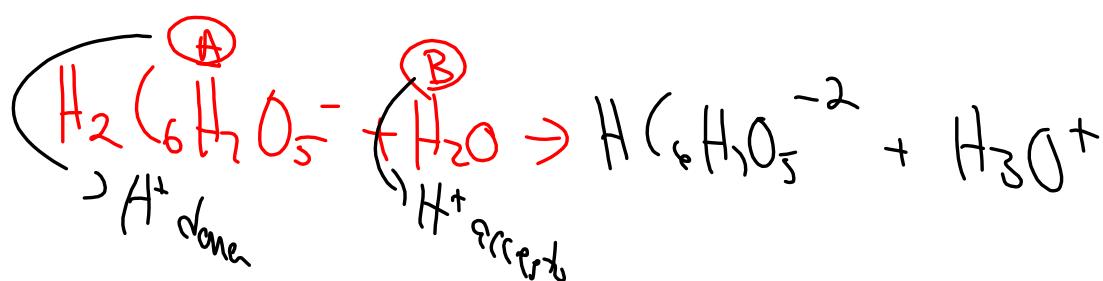


Feb 24-8:32 AM

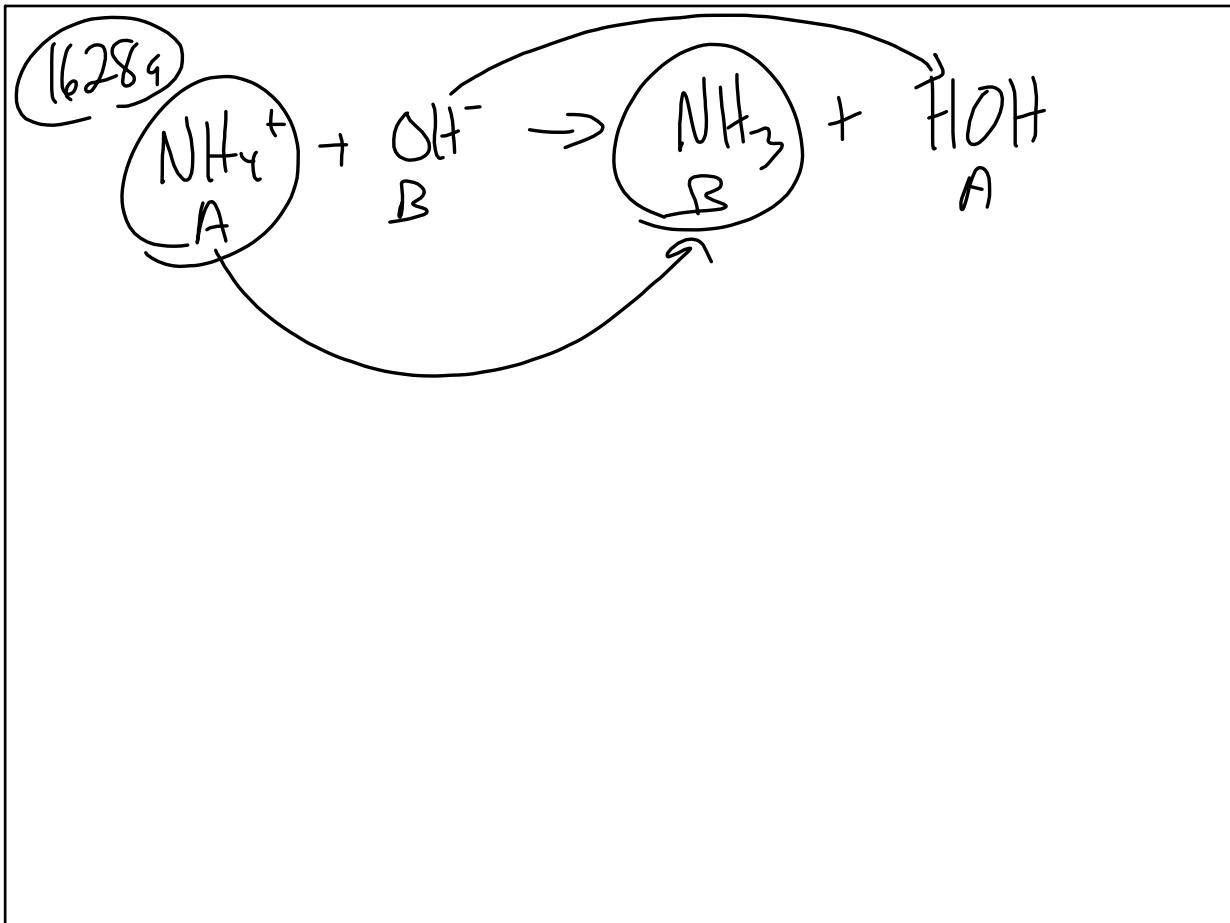


Conjugate pairs differ by ONLY
ONE H⁺

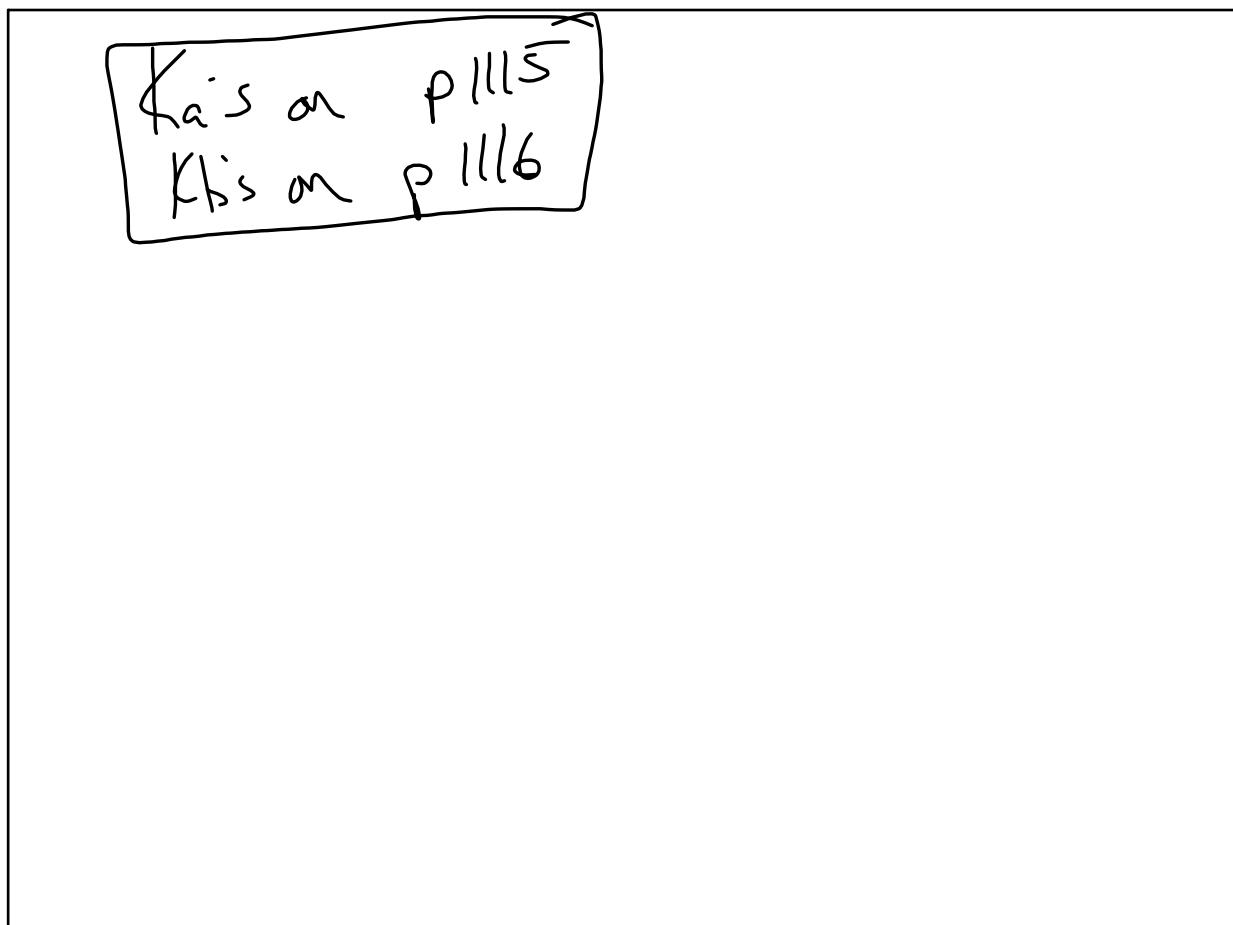
Feb 24-8:44 AM



Feb 24-8:52 AM



Feb 24-8:57 AM



Feb 24-9:01 AM

Spring Exam 1

$$\frac{\frac{2}{1} \downarrow}{\Delta t} = \frac{\Delta [A]}{\Delta t} = \frac{1}{2} \boxed{\frac{\Delta [C]}{\Delta t}} \times \cancel{\frac{1}{1}}$$

Feb 24-9:06 AM

④ $E_a = 123 \text{ kJ/mole}$ $R = 8.314 \times 10^{-3} \text{ kJ}$

$$K_1 = 0.2 \quad T_1 = 311$$

$2(0.2) \cancel{K_1} \rightarrow K_2 = 0.4 \quad T_2 = ?$

$$\ln \frac{K_1}{K_2} = \frac{-E_a}{R} \left(\frac{1}{T_2} - \frac{1}{T_1} \right)$$

Feb 24-9:09 AM



$$\underline{\text{Rate}} = K [A]^2 [B]^0$$

(10)

$F_{l,p}$ and $* 3$

$$K \rightarrow \frac{1}{K} \rightarrow \left(\frac{1}{K}\right)^3 = \frac{1}{K^3} = \frac{1}{K^3}$$

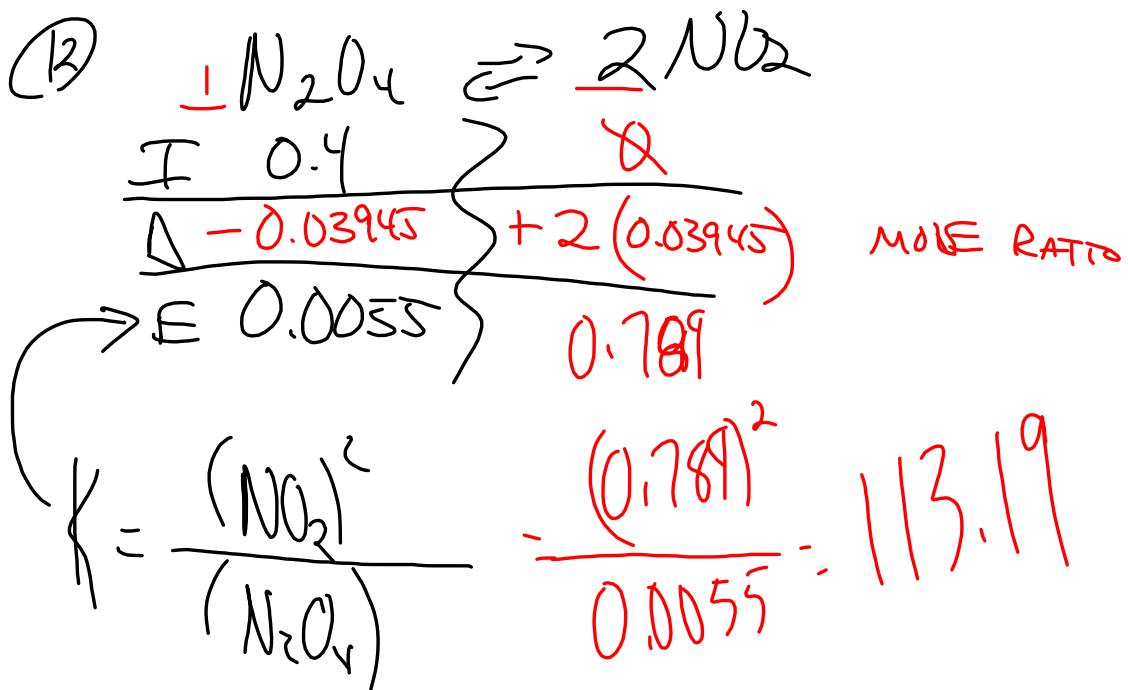
Feb 24-9:13 AM

(11)

$$K_p = K_c (RT)^{\Delta n}$$

$$= 1.10 \left((0.08206)(298) \right)^2$$

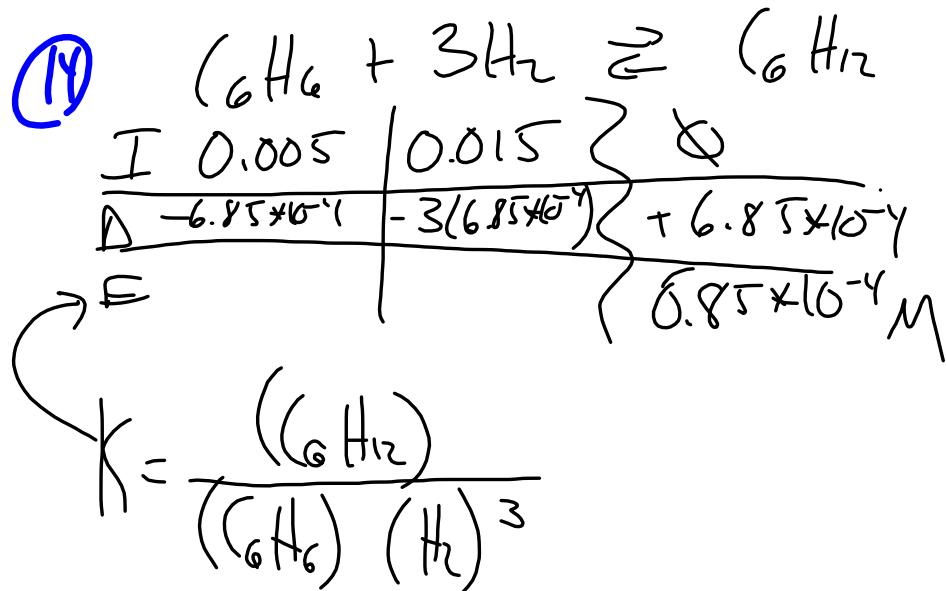
Feb 24-9:20 AM



Feb 24-9:23 AM



Feb 24-9:26 AM



Feb 24-9:29 AM

H W
 16 / 48 a+b , 60

Feb 24-9:31 AM