Tonic equilibrium

HCL > H'+ CL

। अनुर्हामा क्षेत्रमा

قاعدة قوية

e, Fx: cersiones, cigil secilif

CH COOH CH COO + H+

م الكلوريت فوي أي تام التأنن

SH20+ CH3COOH - CH3COO+ H+ HI 10 Fq! here 31016

عليحول من الحزيدات إلى أيونات ب ملوش ثابت اتزان ع تامد التأنن

NH3+H20 = NH++OH > H20 B in & deixio acció al XI

Ka = [CH3COO][H+]

الما الما الحاف الحاف

K - [NH4][OH]

داس آزان القاعدة

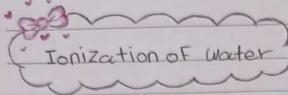
Ex: The dissolution constant ka OF 0.2 M weak acid in which Hydrogen ion equal 4x10 4 is

CH, COOH __ CH3 COO+H+

Ka = [CH3COO][H+]

10 [CH2COO] = [H+] = x 4X10-4

 $\frac{100 \text{ K}_{\text{CL}} - (4 \times 10^{-4})^2}{0.2} = 8 \times 10^{-7}$

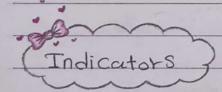


K- [H+] [OH-] [HO]

1 PH + POH = 14

FX: what are [H+] and [OH-] in 0,02 M HCL

4 [H+] = 0.02



· Change its color with PH

W.O.B > Auxo du gies aus lo