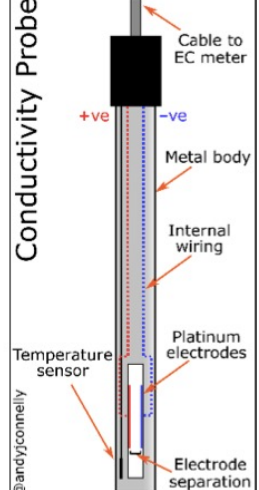
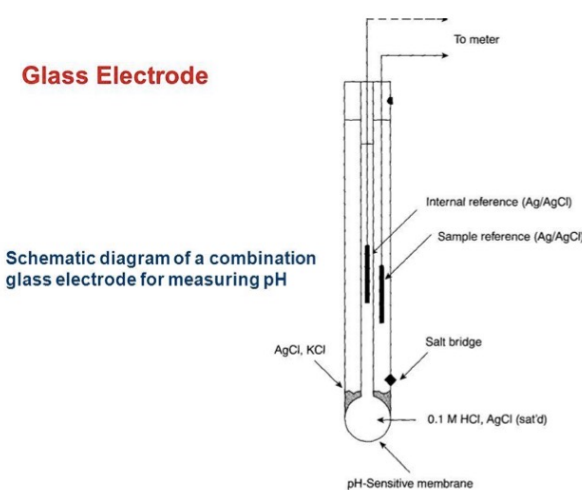


IONIZATION EQUILIBRIUM OF GLYCYLGLYCINE

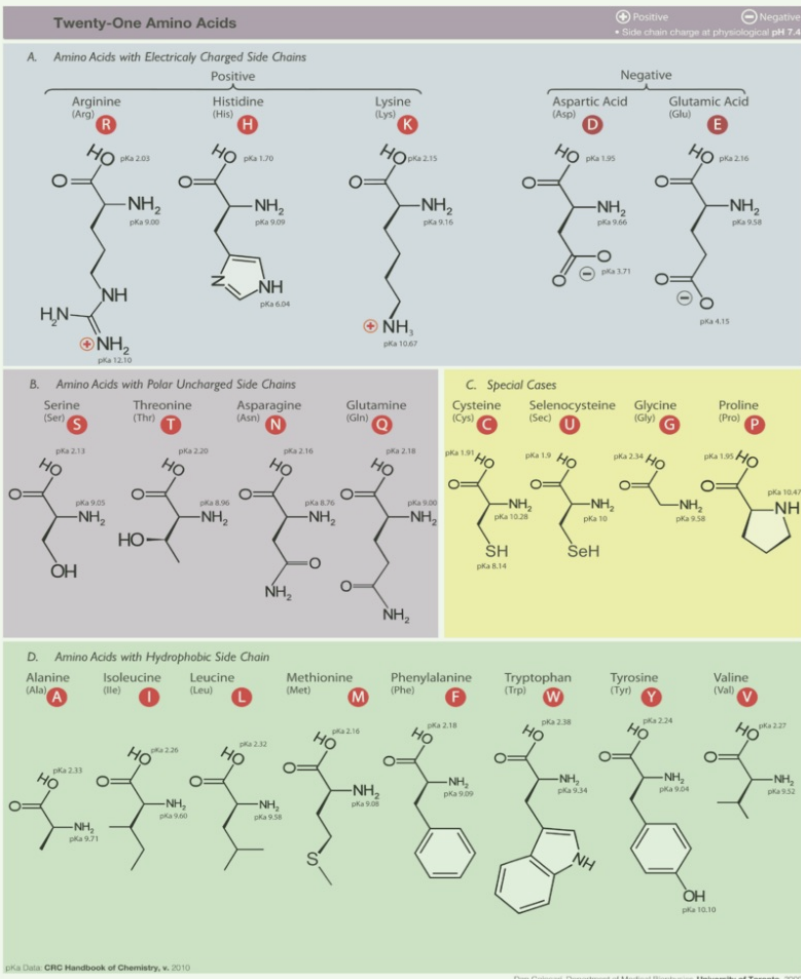
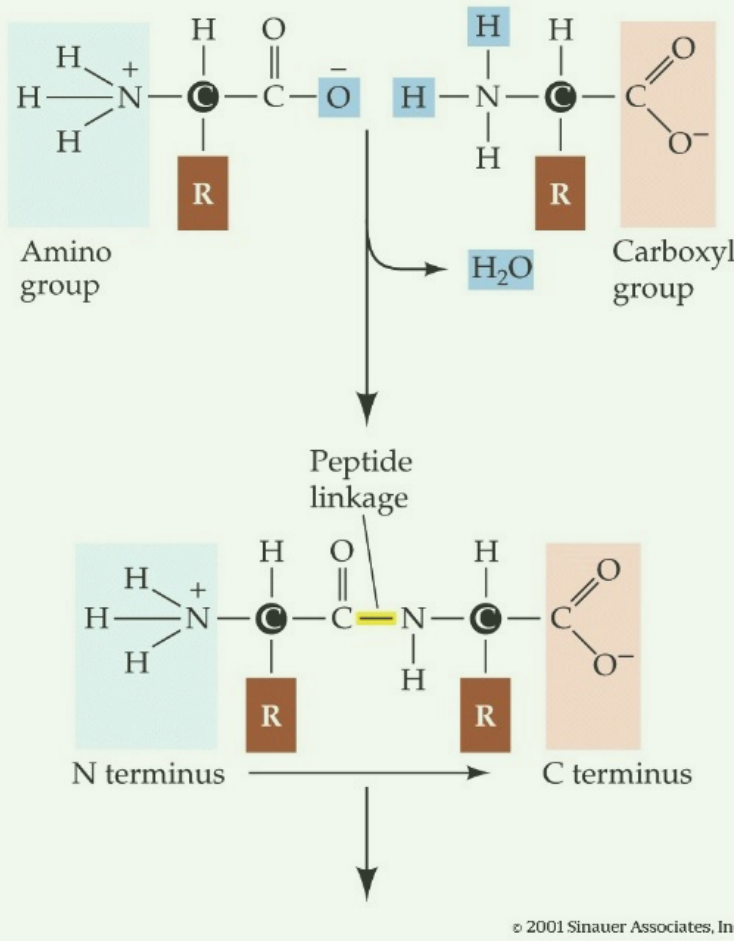
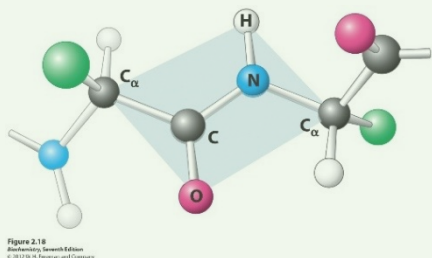
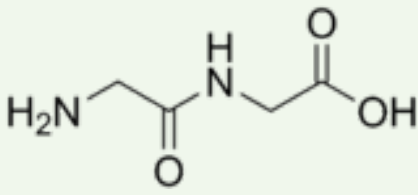


Amino acids ...

DIPEPTIDE OF GLYCINE

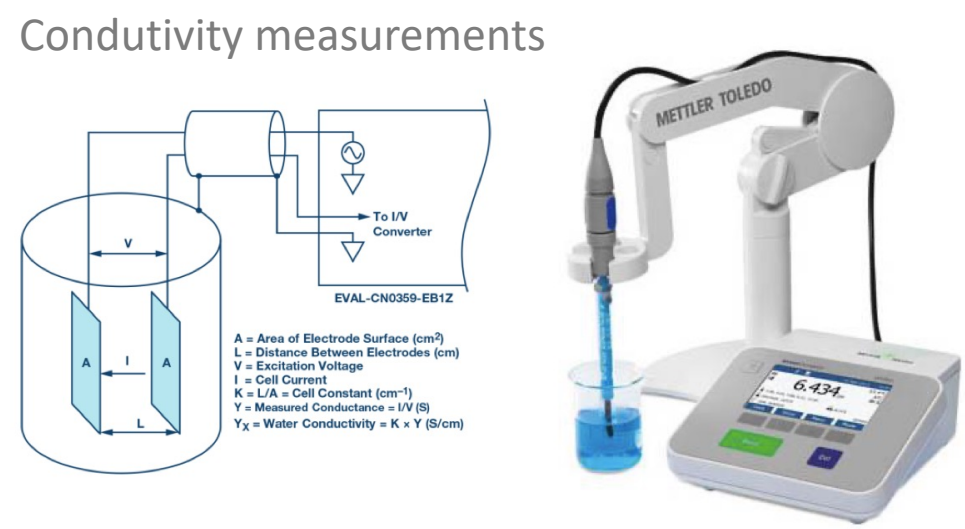
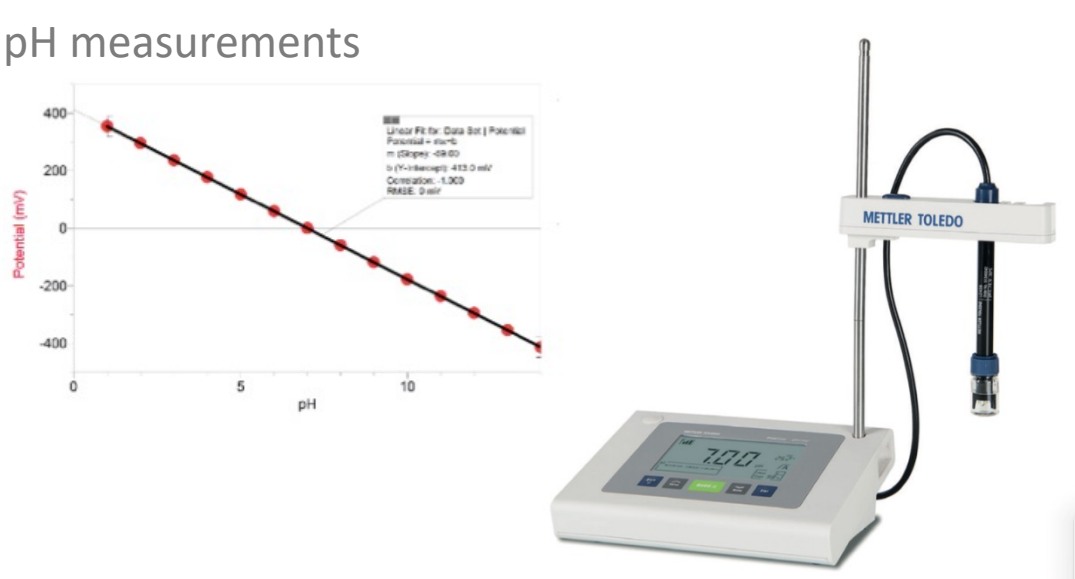
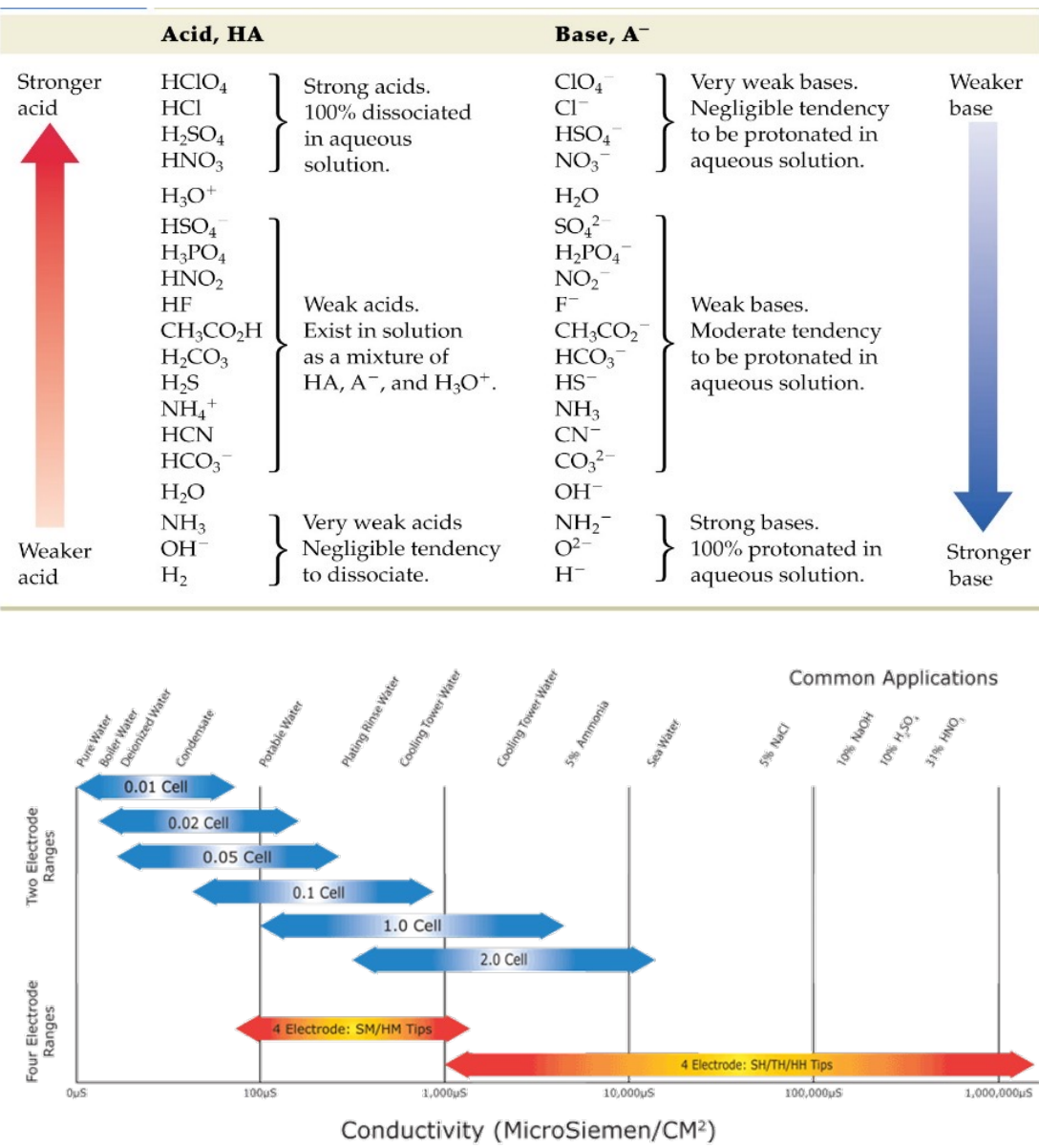
Glycylglycine

- Other names
- Diglycine
 - Diglycocol
 - Glycine dipeptide
 - N-Glycylglycine2-[(2-Aminoacetyl)amino]acetic acid (IUPAC)

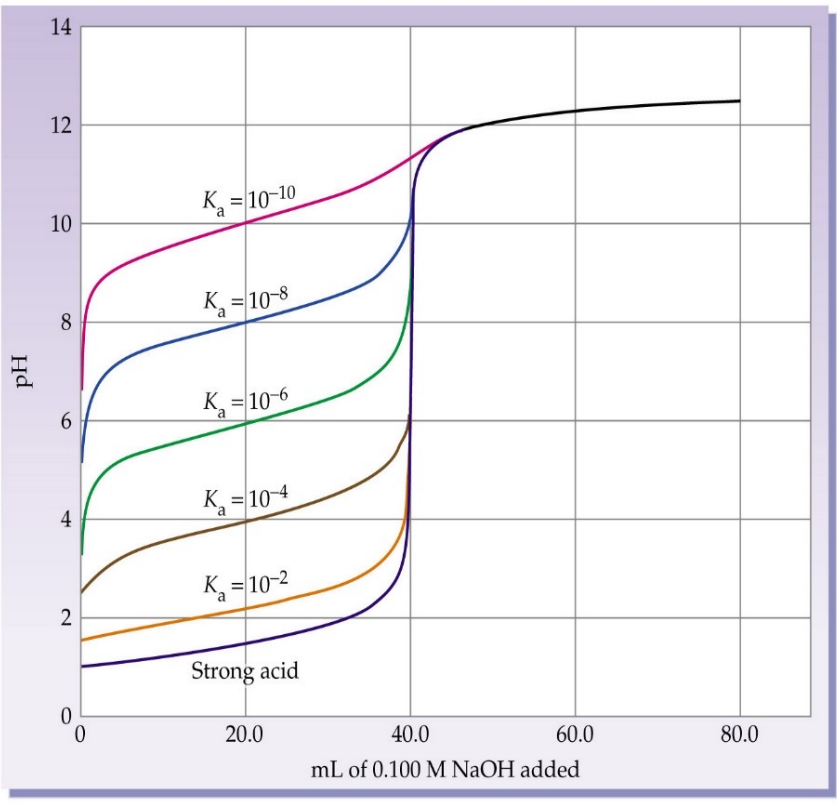
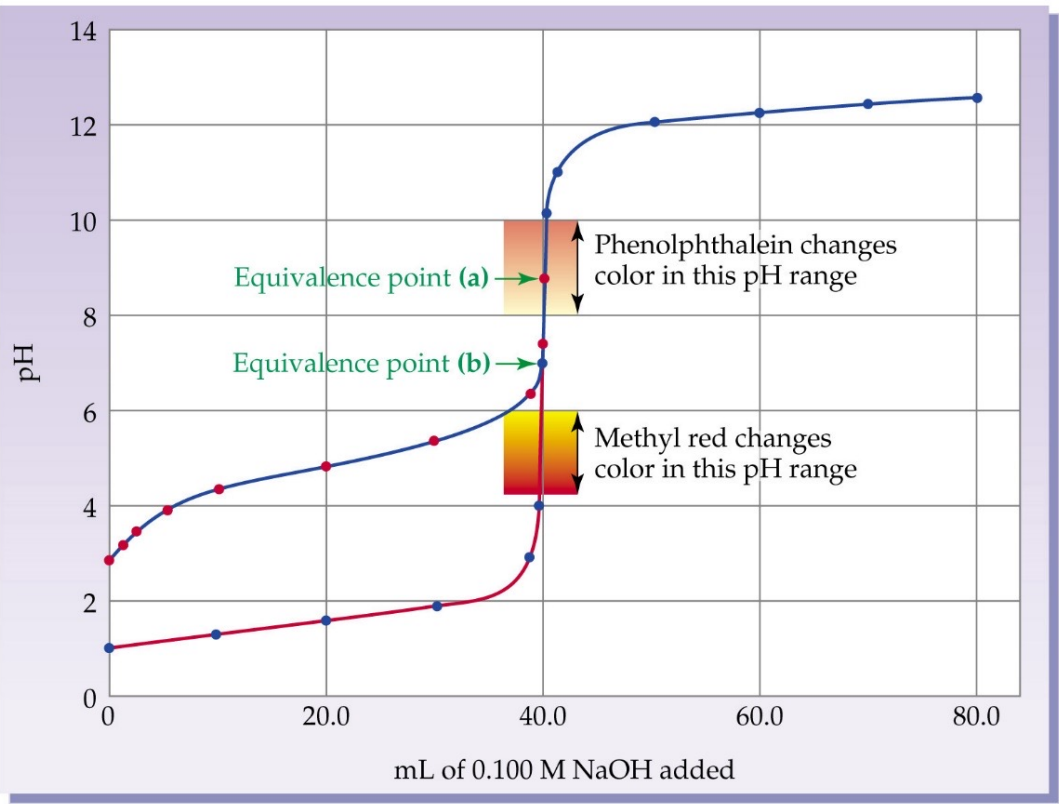


	Acid	Molecular Formula	Structural Formula*	K_a	pK_a †
Stronger acid	Hydrochloric	HCl	$H-Cl$	2×10^6	-6.3
	Nitrous	HNO_2	$H-O-N=O$	4.5×10^{-4}	3.35
	Hydrofluoric	HF	$H-F$	3.5×10^{-4}	3.46
	Acetylsalicylic (aspirin)	$C_9H_8O_4$		3.0×10^{-4}	3.52
Weaker acid	Formic	HCO_2H	$H-C(=O)-OH$	1.8×10^{-4}	3.74
	Ascorbic (vitamin C)	$C_6H_8O_6$		8.0×10^{-5}	4.10
	Benzoic	$C_6H_5CO_2H$		6.5×10^{-5}	4.19
	Acetic	CH_3CO_2H	$CH_3-C(=O)-OH$	1.8×10^{-5}	4.74
	Hypochlorous	$HOCl$	$H-O-Cl$	3.5×10^{-8}	7.46
	Hydrocyanic	HCN	$H-C \equiv N$	4.9×10^{-10}	9.31
	Methanol	CH_3OH	CH_3-O-H	2.9×10^{-16}	15.54

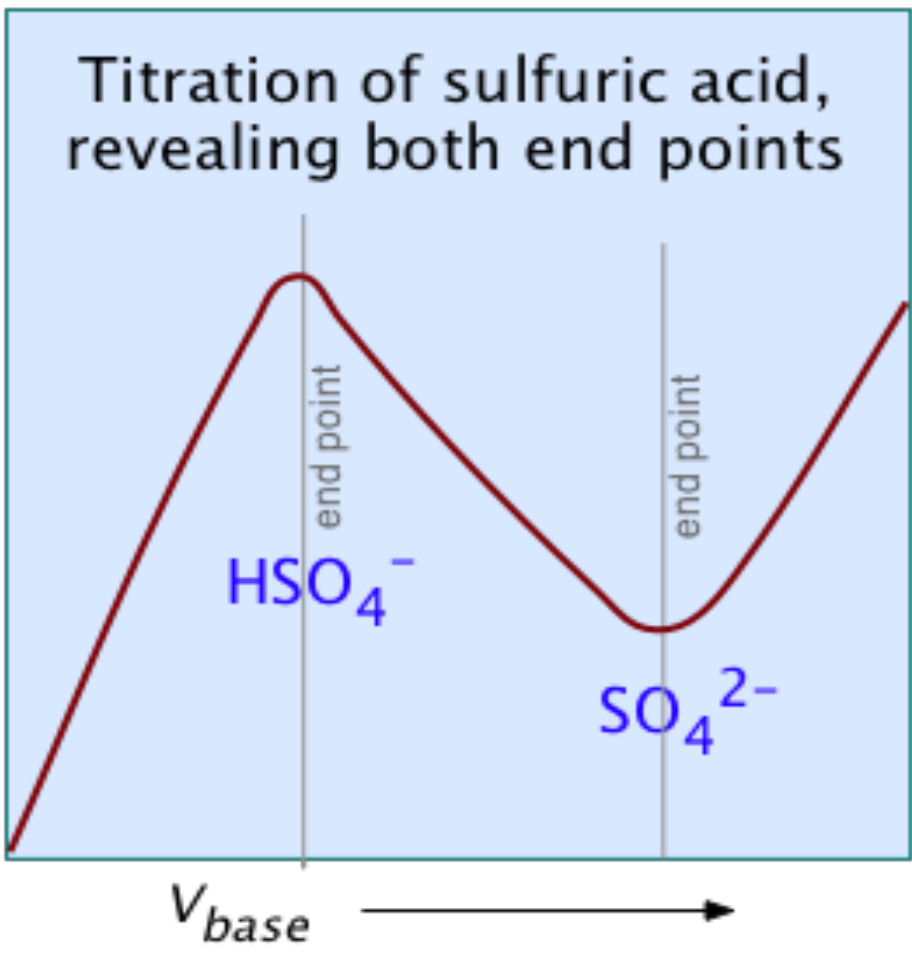
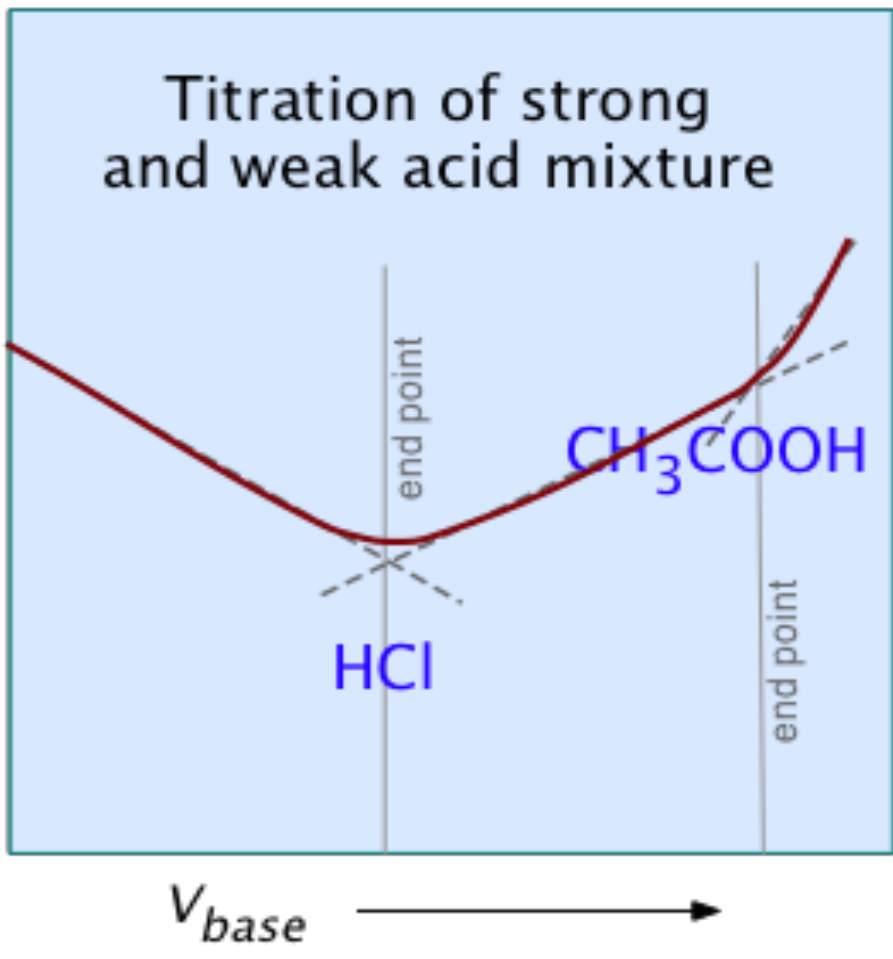
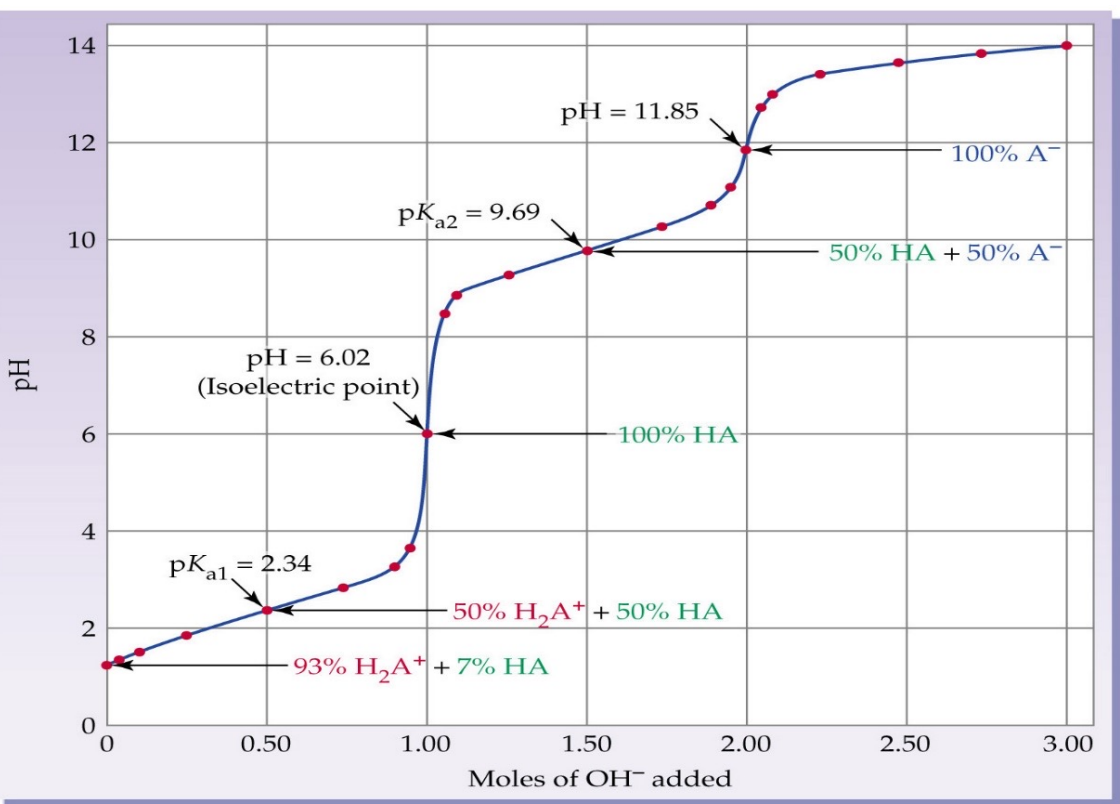
* The proton that is transferred to water when the acid dissociates is shown in color. † $pK_a = -\log K_a$



Titration of a strong and weak acid with a strong base



Titration of a diprotic acid with a strong base



$$K \times \frac{V_a + V_b}{V_b}$$

