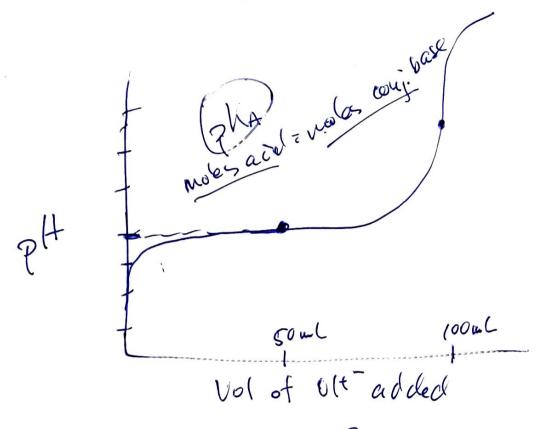
11 Sept 2019 CHEM106##



Equivalence point!

Added equivalent under of udas of Off

as there were aules of acide start

If A toll -> 1 + 1420

Butturs to paintain the pt of asystm 1) Take the dissolvation neartier of a weak HA + 420 = A + H30+ 7 The dissociation constant (KA)

for the week and is

(Products) = [1+30+][4]

(HA) 3 let's hearneng The equipion to isilate · [Hzot] [H30] = LA (CHAI) 9 tale the negative lag of both sides -leg[H307] 2 -log/A + (-leg [H4])

pH = pha - log ([A])

[PH = pha + log ([A])

[Hunderson - Hasselbach equation

Etample: A wington of 0 2m Arctic acted

and 0.3 M Sodium anetati & 5

your to you. (alculate the ptt

of the system if the pkeat

arctic acid TS 4.76

ltgc-c-o+ + 1470 2 43c-c-o+ + 1430+

we sie aid

arctic aid

The pH of a solution of lactic acid acid when the countrations of lactic acid and lactate me 007m and 0073m vespectively.

A= lactic and A= (atate PH=pka + log(CHAT)
Pka = pH-log(CHAT)

PKA= pH - loy (0.073)

PKAZ 4.3-0.56 PXAZ 3.74