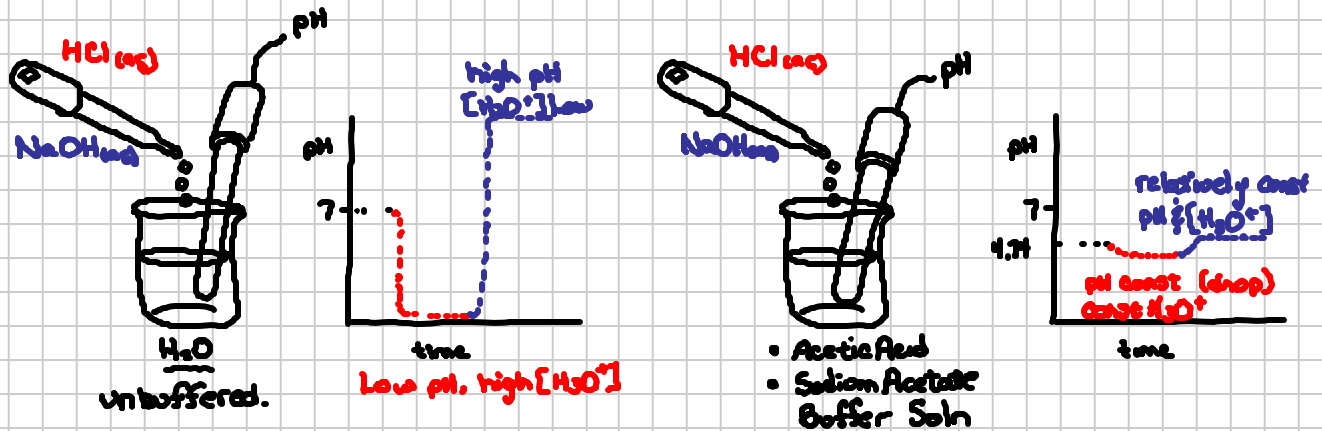


Lecture 14 | Qualitative Buffer Operation

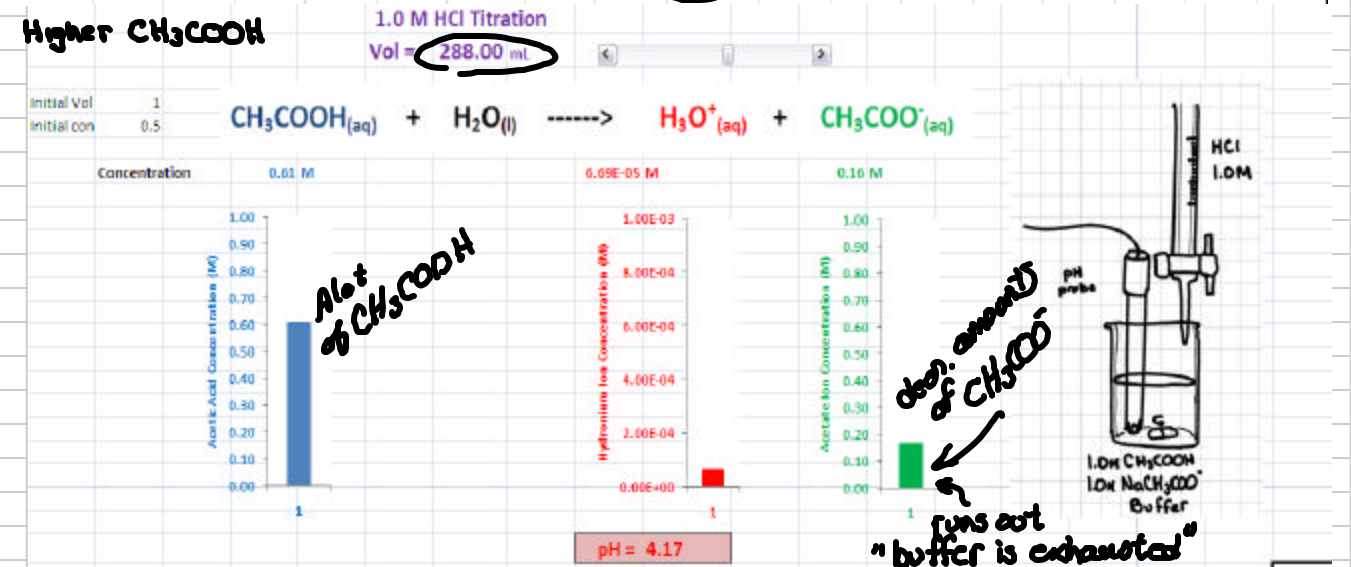
Note Title

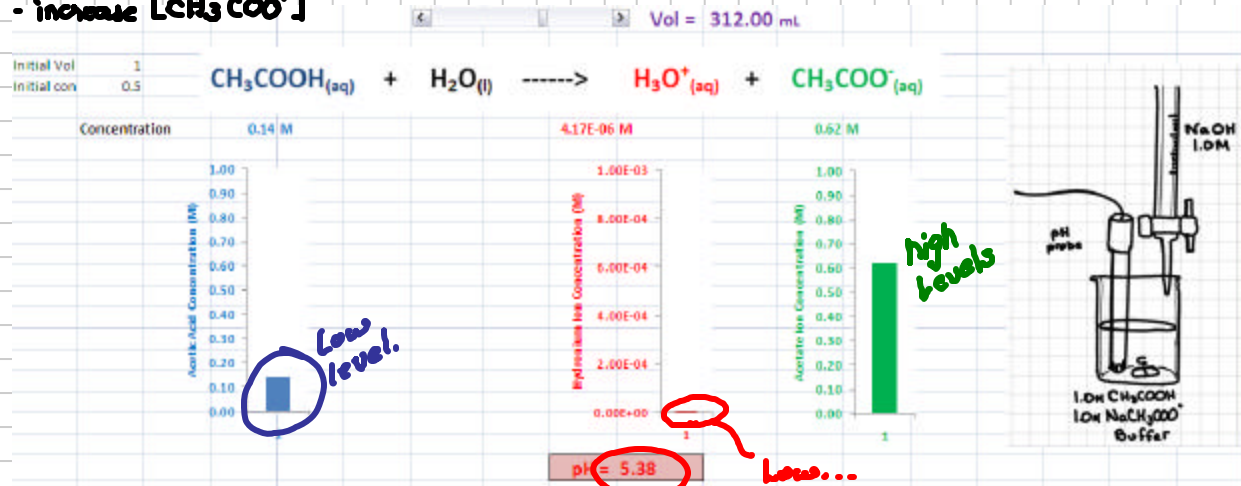
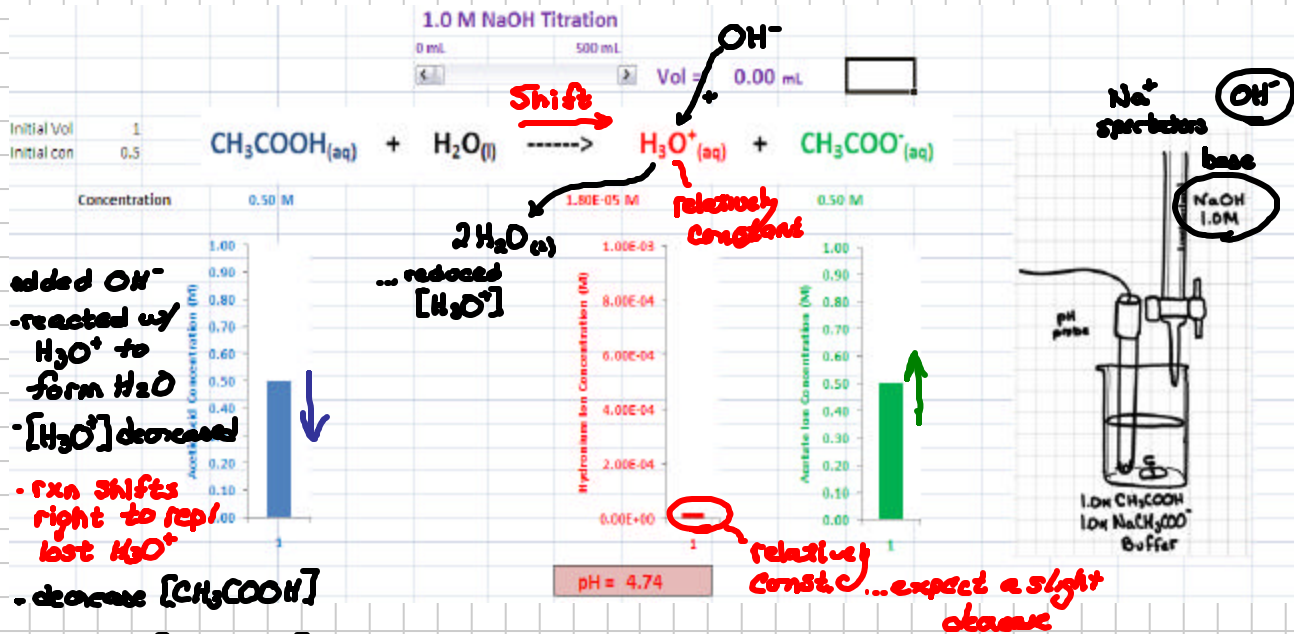
2/12/2012



- Buffer soln that resists Δ in pH. .. Keeps $[H_3O^+]$ relatively const
- Buffers made of weak acid & conj. base.

How do buffers keep $[H_3O^+]$ relatively constant?





Add a strong acid to a buffer... buffer's conj. base used up
... buffer's weak acid levels increase

Add a strong base to a buffer... buffer's conj. base levels inc
buffer's weak acid levels decrease