

42. D IV

a buffer is a mixture of a WEAK acid and its conjugate base

I is SA/SB

II is SA/neutral salt

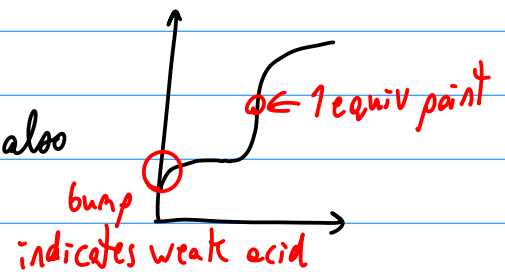
III is SA/VA

IV is VA/WB

43. B

1 equivalence point = monoprotic

starting pH > 7, likely weak, also



44. A the first buffer, see diagram in NR15.

NR16. 2211

