

Ch 16 Team Problem

Which has the highest $[H^+]$?

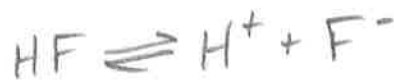
a) 0.10 M HF

b) 0.10 M HF in 0.10 M NaF

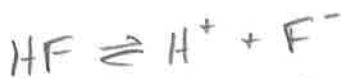
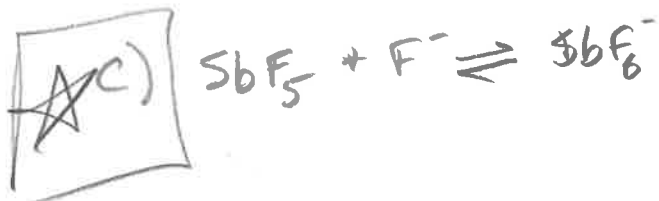
c) 0.10 M HF in 0.10 M SbF_5
↳ reacts w/ F^- to form SbF_6^-

a) HF $K_a = 7.2 \times 10^{-4}$

b) NaF - strong electrolyte producing F^-



← lowers $[H^+]$
↑ common ion effect
LeChat. shift left



→ incr. $[H^+]$

LeChat shift right