Topic Reminder Q13 pH System

What chemical is ultimately responsible for a solution being acidic?

2. Student hypothesis: A highly acidic solution does not contain any hydroxides. Justify or nullify.

[HT] > (OHT] But Both are present gots to equilibrian Not Completion 3. A solution has a pOH = 4.5. Answer the following questions.

- - a. pH = 14-4.5 = 9.5b. $[H^{\dagger}]$ = $10^{-4.5}$ = 3.10 G 5 M C c. [OH] = $10^{-9.5}$ = 3.10 G 10 M C d. [OH] = $10^{-9.5}$ = 3.10 G 10 M C
- 4. Write a hydrolysis reaction for HX.

5. What is the conjugate of HX and is it acidic/basic/neutral?