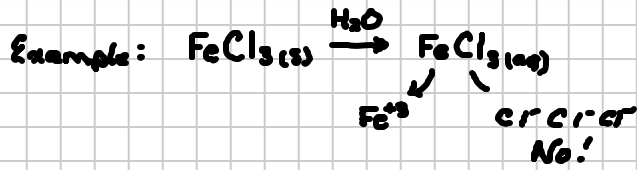


Lecture 12.3 Ions and pH cont.

Note Title

10/4/2011

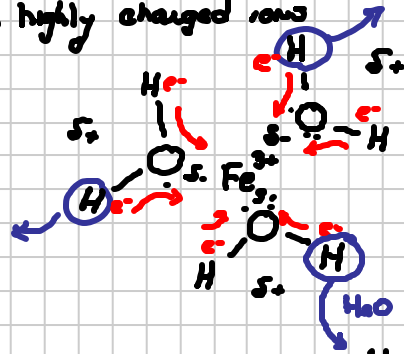


.. pH drops dramatically.

pH . 7 \rightarrow **2** Why?
 Acid.

pH drops acidic : $\uparrow [\text{H}_3\text{O}^+]$... Fe^{3+} interaction with H_2O

Fe^{3+} , small, highly charged ions



e^- / Fe^{3+} : electron shift
 moves e^- out
 of bond partially

Bond gets weaker.
 H loosely held.

H_3O^+ conc. increases, pH decreases