

## **Polyprotic Acids**

What if an acid has more than one acidic proton?

Example: H<sub>2</sub>CO<sub>3</sub>

 $H_2CO_3 \leftrightarrows H^+ + HCO_3^ K_1 = 4.3 \times 10^{-7}$  $HCO_3^- \leftrightarrows H^+ + CO_3^{2-}$   $K_2 = 4.8 \times 10^{-11}$ 

If K<sub>1</sub> >> K<sub>2</sub>: Treat as separate acids

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