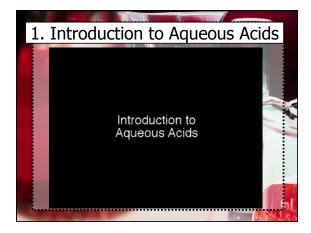
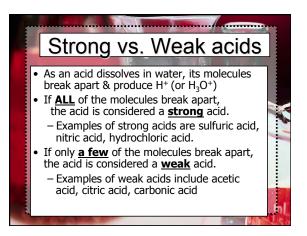


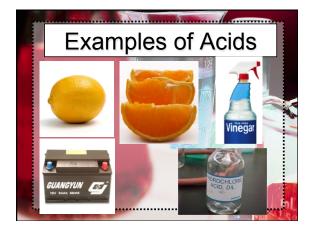
	What is an acid?	
	 A compound that dissolves in water and produces <u>hydronium ions (H₃O+)</u>. 	
	 Acid + Water → H₃0⁺ + ionS Comes from the Latin word <i>acidus</i> that means "sharp" or "sour" 	
	• Example: HCl + H ₂ O> Cl ⁻ + H ₃ O+ What an acid does in water $H_{0}O^{+}$ + $H_{0}O^{+}$ + $H_{0}O^{+}$ $H_{0}O^{+}$ + $H_{0}O^{+}$ + $H_{0}O^{+}$ $H_{0}O^{+}$ + $H_{0}O^{+}$	

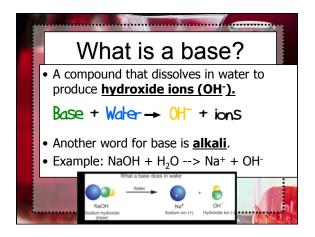


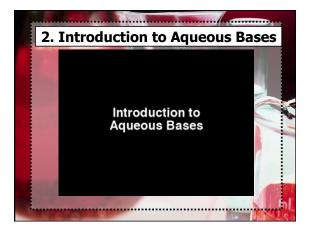


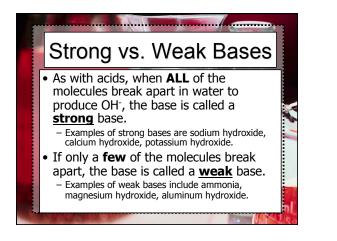
Acidic Properties

- pH <u>less</u> than 7
- Taste <u>sour</u>
- May change the color of certain compounds
- React with metals to produce hydrogen gas (H₂)
- Can be very <u>corrosive</u>, meaning they may destroy metals & burn skin



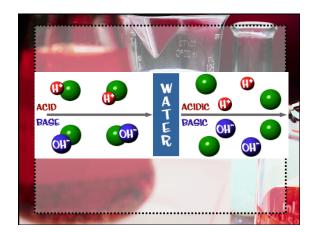


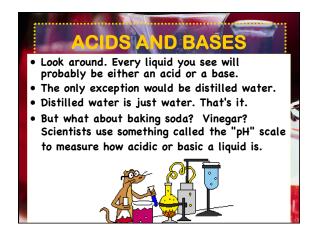


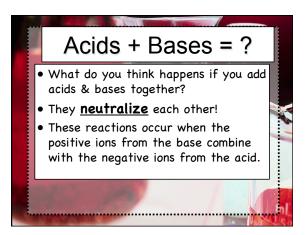


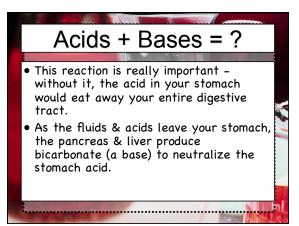


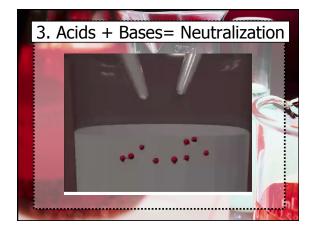


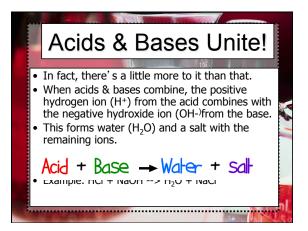


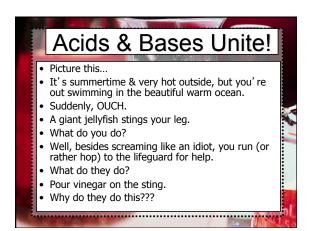


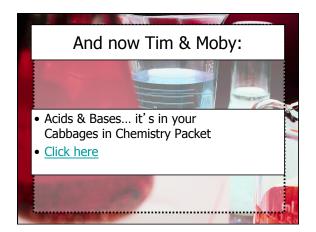




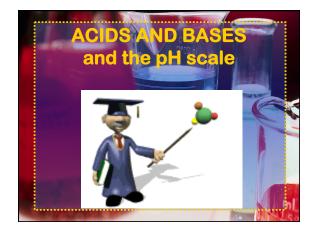


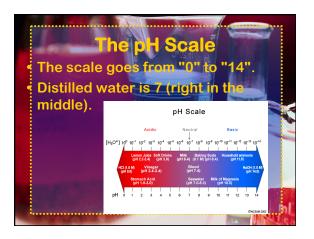


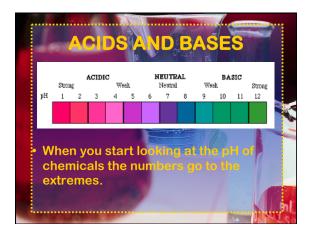


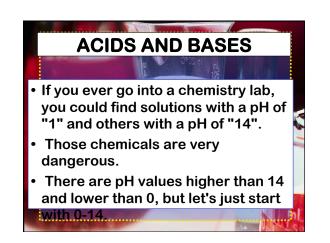


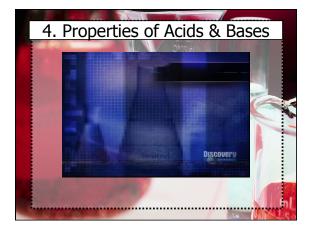


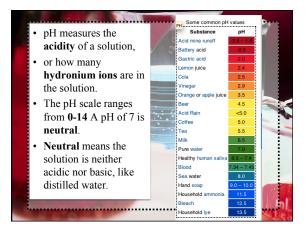


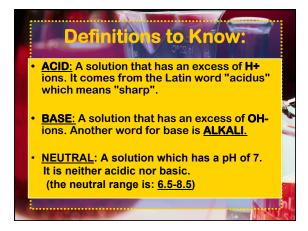


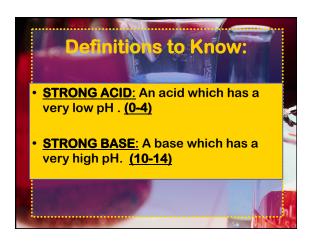


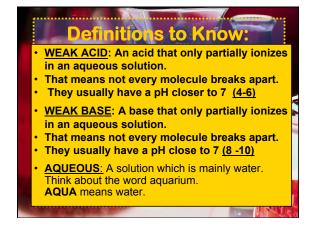


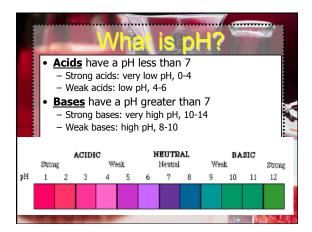


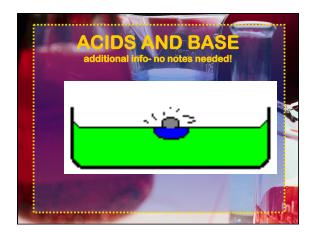


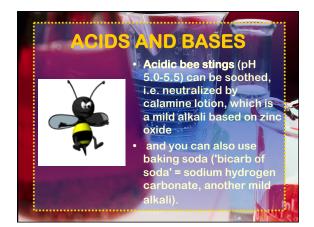


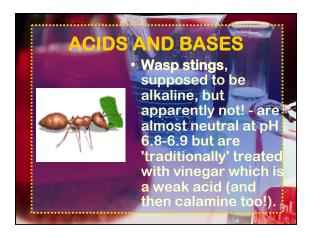


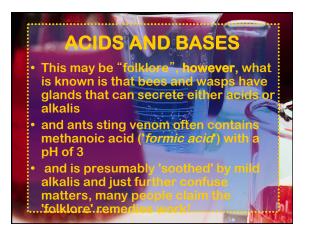


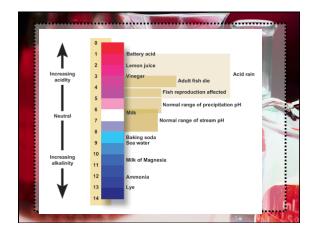


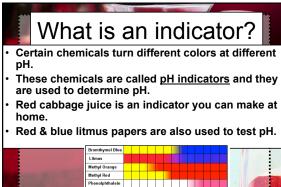




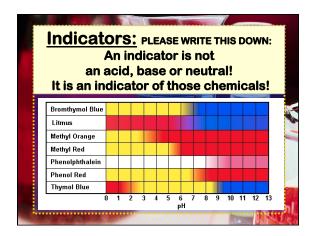


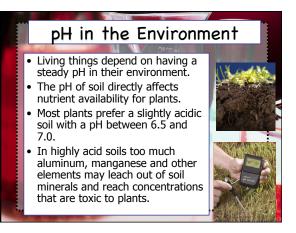


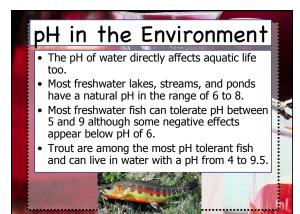




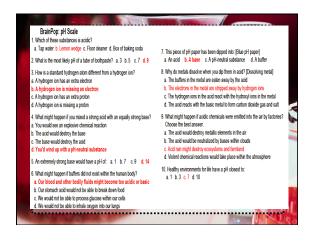
Phenol Red Thymol Blue

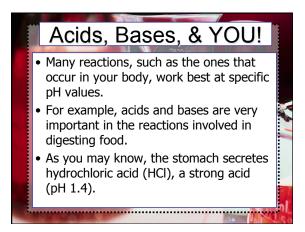












Acids, Bases, & YOU!

- The level of acidity in our stomachs is necessary to break down the protein molecules in food so they can be absorbed.
- A mucus lining in the stomach protects it from the acid produced.

.....

Acids, Bases, & YOU.

