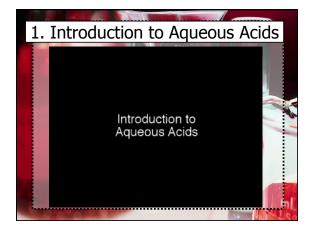
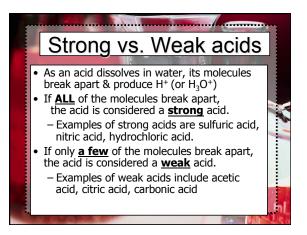


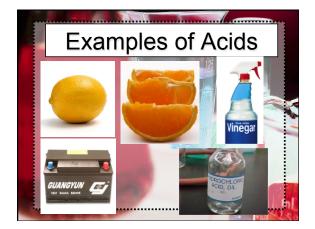
What is an acid?	
 A compound that dissolves in water and produces <u>hydronium ions (H₃O+)</u>. 	
Acid + Water \rightarrow H30 ⁺ + ions	
 Comes from the Latin word <i>acidus</i> that means "sharp" or "sour" Example: HCl + H₂O> Cl⁻ + H₃O⁺ 	
What an acid does in water $ \begin{array}{c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $	hL

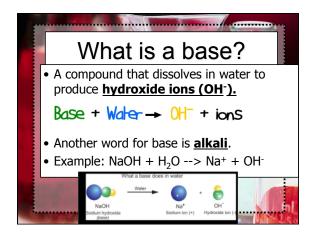


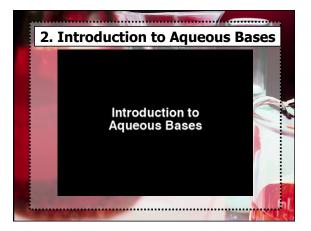


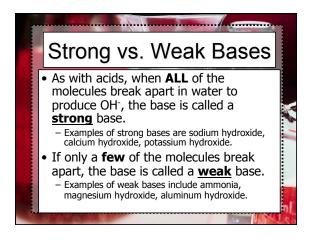
Acidic Properties

- pH less 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



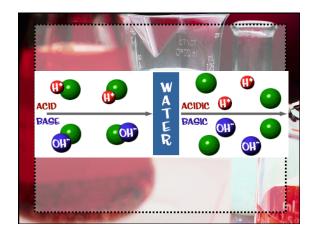


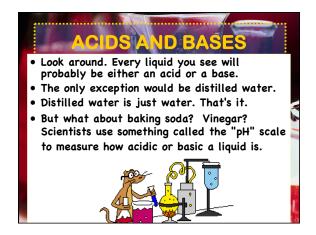


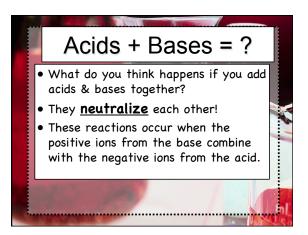


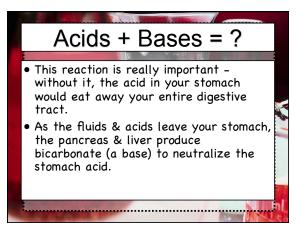


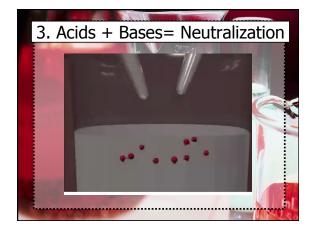


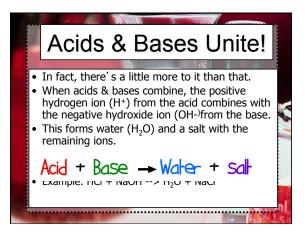


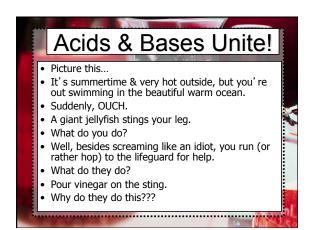


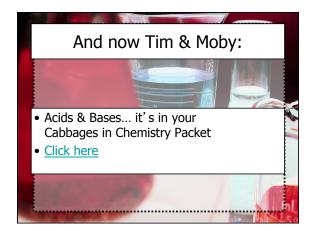




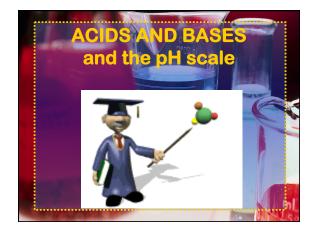


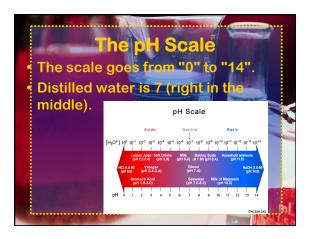


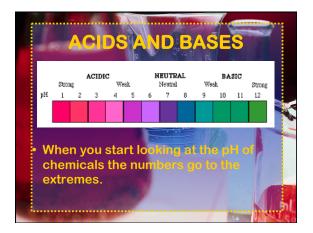


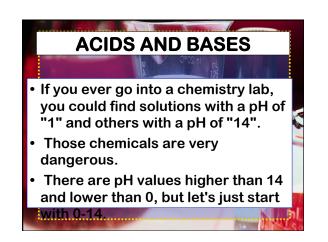


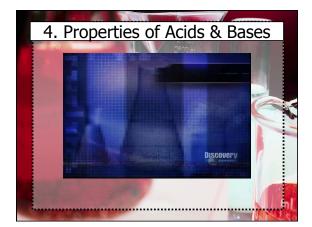


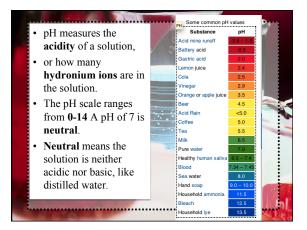


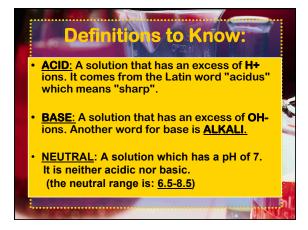


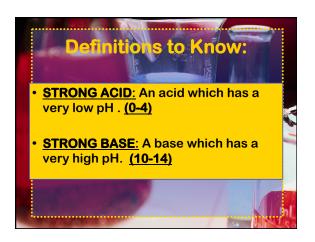




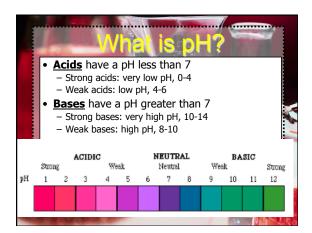


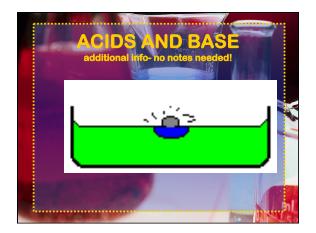


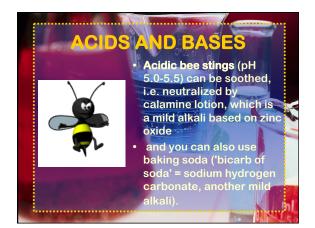


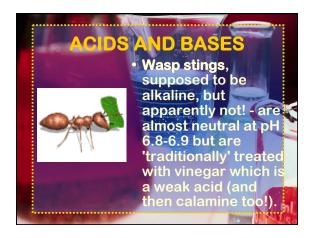




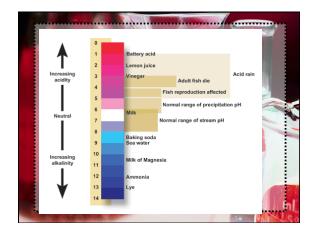


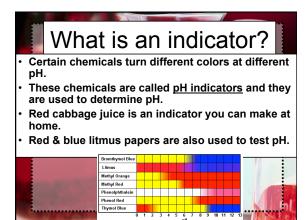


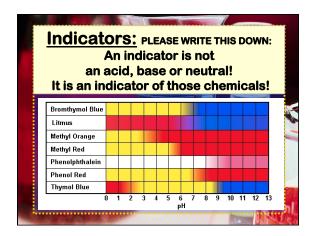


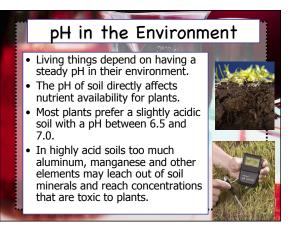


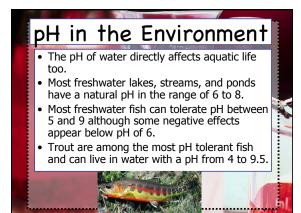






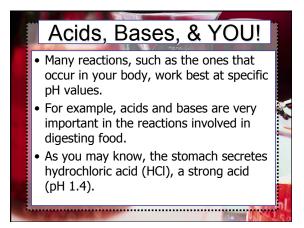












Acids, Bases, & YOU!

- 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.

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