

Name: _____

Answer Key: What Are Acids & Bases? Video Questions

Instructions

While watching the ACS *Chemistry Basics* video about acids and bases, answer the following questions:

1. What do all acids do when dissolved in water?
Produce H^+ (hydrogen) ions
2. When was the pH scale developed?
1909
3. What numbers on the pH scale indicate an acid?
Anything less than 7 (0-6)
4. What numbers on the pH scale indicate a base?
Anything greater than 7 (8-14)
5. What is the chemical difference between acids and bases?
Acids produce hydrogen ions, bases accept them. In water, acids produce H^+ (hydrogen) ions and bases produce OH^- (hydroxide) ions.
6. What is the reaction between acids and bases called?
Neutralization reaction
7. What do we call a substance that can act as both an acid and a base?
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