

Name _____

Exploring the Unique Differences Between Acids and Bases

Multiple Choice Questions

1. What characteristic sets acids apart from bases?
 - a) Bitter taste
 - b) Slippery feel
 - c) Sour taste
 - d) Neutral pH

2. Which ions do bases release when dissolved in water?
 - a) Hydroxide ions (OH⁻)
 - b) Hydrogen ions (H⁺)
 - c) Sodium ions (Na⁺)
 - d) Oxygen ions (O²⁻)

3. Which of the following has a pH greater than 7?
 - a) Lemon juice
 - b) Vinegar
 - c) Soap
 - d) Water

4. What is one common use of bases in cleaning products?
 - a) Adding flavor to food
 - b) Neutralizing acids
 - c) Cutting through grease and stains
 - d) Preserving food items

5. What is the pH of a neutral substance on the pH scale?
 - a) 0
 - b) 7
 - c) 14
 - d) 10

