

Name _____

Safe Handling of Acids and Bases: What You Need to Know

Multiple Choice Questions

1. What is a key characteristic of acids?
 - a) They taste sweet
 - b) They can donate hydrogen ions (H⁺)
 - c) They feel slippery
 - d) They are typically used in cleaning agents

2. What is the potential danger of mixing acids with bases?
 - a) It produces a delicious taste
 - b) It can lead to violent chemical reactions
 - c) It generates colorful gases
 - d) It creates a soothing aroma

3. What is the primary purpose of wearing safety goggles and gloves when handling acids and bases?
 - a) To look stylish
 - b) To keep warm
 - c) To protect the eyes and skin from potential exposure
 - d) To avoid getting wet

4. Why is proper ventilation essential when working with acids and bases?
 - a) To create a comfortable working environment
 - b) To prevent fumes from escaping
 - c) To save energy
 - d) To make the workspace smell better

5. What precaution should be taken when preparing solutions of acids or bases?
 - a) Add water to the acid or base
 - b) Mix them quickly to save time
 - c) Add the acid or base to water slowly
 - d) Add them in any order

