

Name _____

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

Open-Ended Response Questions

1. Investigate and discuss the potential long-term health effects of exposure to toxic acids or bases. What measures can individuals take to protect themselves from these risks?
2. Imagine you are a lab supervisor responsible for a group of students conducting experiments involving acids and bases. Describe the safety protocols and guidelines you would enforce to ensure their safety throughout the experiment.
3. Research and explain the consequences of a chemical reaction that occurs when acids and bases are mixed. Provide an example of a real-life incident involving such a reaction and its outcomes.
4. Explore the role of safety data sheets (SDS) in providing crucial information about the properties and hazards of chemicals, including acids and bases. Discuss how individuals can use SDS to handle these substances safely.

