

Name _____

Acids at Work: How Acids Are Used in Industry

Open-Ended Response Questions

1. Research and discuss the environmental impact of improper waste treatment in industries. Explain how using acids to neutralize hazardous waste materials can mitigate this impact.
2. Imagine you are a scientist working in a pharmaceutical laboratory. Describe a specific drug manufacturing process that involves the use of acids and explain why acids are essential in that process.
3. Investigate and explain how citric acid enhances the flavor of some food and beverage products. Provide examples of such products.
4. Explore the role of acetic acid (found in vinegar) as a natural preservative in the food industry. Discuss how it helps extend the shelf life of certain foods and its safety for consumption.

