

Name \_\_\_\_\_

## Acidic Allies in Your Home: Common Household Products with Acids

### Open-Ended Response Questions

1. Investigate and discuss the potential risks or disadvantages of using household products containing acids. How can users minimize any negative effects while enjoying the benefits?
2. Imagine you are creating a new household cleaner that uses citric acid as the primary cleaning agent. Describe the product's intended purpose, usage instructions, and potential advantages for consumers.
3. Research and explain the chemical reactions that occur when acetic acid in vinegar is used to clean surfaces or deodorize spaces. How does it effectively remove odors and stains?
4. Explore the reasons why acids like citric acid and acetic acid are commonly used in food preservation, such as in pickles and fruit juices. How do these acids contribute to the preservation process?

