

Name \_\_\_\_\_

## Exothermic Vs. Endothermic Reactions

### Open-Ended Response Questions

1. Discuss the importance of exothermic reactions in providing energy for various processes in our daily lives, from heating our homes to powering electronic devices.
2. Explore the significance of endothermic reactions in regulating body temperature and maintaining homeostasis in living organisms. Provide specific examples.
3. Imagine you are a chemist developing a new product that relies on either exothermic or endothermic reactions. Explain your choice of reaction and its potential benefits in your product.
4. Compare and contrast exothermic and endothermic reactions in terms of the energy flow between substances and their surroundings. How do these reactions impact the environment and human comfort?

