

Name \_\_\_\_\_

## The Evolution of Element Naming and Categorization

### Short Answer

1. Explain the significance of Antoine Lavoisier's contributions to the naming and categorization of elements.
2. Describe Dmitri Mendeleev's approach to organizing elements in the periodic table and its impact on chemistry.
3. How did alchemists contribute to early chemical knowledge, and what symbols did they use to represent elements?
4. What role does the International Union of Pure and Applied Chemistry (IUPAC) play in modern element naming and categorization?
5. Compare and contrast the ancient concept of the four elements with modern scientific understanding of elements.

