

Name _____

Elemental Explorations: Discovering Metals, Nonmetals, and Metalloids

Open-Ended Response Questions

1. Discuss the role of malleability and ductility in the applications of metals. Provide examples of products or industries where these properties are essential.
2. Compare and contrast the electrical conductivity of metals and nonmetals. Include examples of both conductive and non-conductive materials.
3. Research and explain how metalloids contribute to the advancement of technology in the semiconductor industry. Provide examples of common electronic devices that rely on metalloids.
4. Consider the environmental impact of nonmetals. Describe how the properties of nonmetals like sulfur and nitrogen contribute to environmental processes and challenges.

