

Name _____

Elemental Explorations: Discovering Metals, Nonmetals, and Metalloids

Short Answer Key

1. One property that distinguishes metals from nonmetals is their shiny appearance.
2. The conductivity of metals allows them to easily transmit electricity and heat, making them essential in electrical wiring and cooking utensils.
3. Silicon is a metalloid used in semiconductors because it has intermediate conductivity, which can be controlled to create electronic components.
4. (Example answer) Bromine is a nonmetal element that exists as a reddish-brown liquid at room temperature.
5. Metalloids are used in the semiconductor industry because of their intermediate conductivity, making them essential in the production of electronic devices like computers.

