

Elements and the Periodic Table ▪ 4.3 Review and Reinforce

Metals

Understanding Main Ideas

Answer the following on a separate sheet of paper. Use a periodic table for reference.

1. What physical properties are shared by most metals?
2. Sodium (Na) and calcium (Ca) are in different families of metals. Name the families of metals in which they belong, and describe each family's characteristics.
3. Would a metal in Group 13 be more or less reactive than a metal in Group 1? Explain.
4. In what periods are the lanthanides and actinides? Where are they placed in the periodic table? Why?

Building Vocabulary

Write the correct term on each line to complete the sentence.

conductivity

malleable

ductile

corrosion

particle accelerator

reactivity

5. The gradual wearing away of a metal due to a chemical reaction is called _____.
6. A material that is _____ can be hammered into sheets and other shapes.
7. A powerful machine called a(n) _____ moves nuclear particles fast enough to make larger nuclei when the particles collide.
8. The ability to transmit heat or electric current to other objects is called _____.
9. A material that is _____ can be drawn into a wire.
10. _____ is the ease and speed with which an element combines with other elements and compounds.