

**Elements and the Periodic Table** ▪ *Review and Reinforce***Metals****Understanding Main Ideas**

Answer the following on a separate sheet of paper. Use the periodic table in Appendix D.

1. What category of element is the most common in the periodic table? Where is that category found in the periodic table?
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

alloy

malleable

ductile

corrosion

particle accelerator

reactivity

5. The reaction of a metal with oxygen to form rust 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 electricity 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.
11. A(n) \_\_\_\_\_ is a mixture of a metal and at least one other element.