

# Matter

# 4. Elements

## CONCEPT 2

## TEST YOURSELF

### COMPARING ELEMENTES AND COMPOUNDS

#### KNOW

- Q1 What is the difference between a chemical change and a physical change?
- Q2 How do you know that gold does not burn?

#### APPLY

- Q3 What evidence suggests that a new product is formed when heating iron?
- Q4 Suggest what new product may be formed when potassium is heated in oxygen.
- Q5 Sodium is a highly reactive, soft metal. It combines with chlorine to form sodium chloride. How does sodium chloride differ from sodium?

#### EXTEND

- Q6 Use word equations to explain the reactions between oxygen and:
- (a) iron
  - (b) copper
- Q7 Write a symbol equation for the reaction between copper and oxygen. Try to balance the equation.