

ACTIVITY ■ Classification of Elements: The Periodic Table**6****Element Code**

Each numbered exercise contains element clues that will help you fill in the blanks and learn the identity of the missing word. Use the symbol for the element in each blank space.

1.
 - a. Transition metal number 24
 - b. A common solid halogen
 - c. Family 13 bears this name

Cr _____
A baby's bed

2.
 - a. An active alkaline earth metal with 56 protons
 - b. The alkali metal of period 3
 - c. The metal element that makes up table salt

_____ _____
A delicious yellow fruit

3.
 - a. The first of the alkali metals
 - b. The first element of Family 16
 - c. A period 2 nonmetal with 5 valence electrons

_____ _____
The king of the jungle

4.
 - a. Element with atomic number 31
 - b. The last of the alkaline earth metals
 - c. Mendeleev predicted the existence of this metalloid

_____ _____
A place to park the car

5.
 - a. The first element in the actinoid series
 - b. Period 2 nonmetal with 6 valence electrons
 - c. The last of the noble gases

_____ _____
A squirrel's treat

6.
 - a. A transition metal used in incandescent light bulbs. Watch out for a nest of these!
 - b. Period 4, Group 15 element
 - c. The second element in Group 15
 - d. Period 3 element with 6 valence electrons

_____ _____