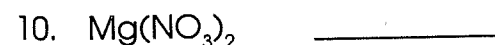
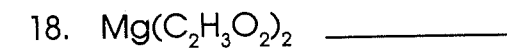
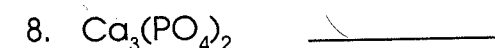
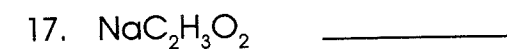
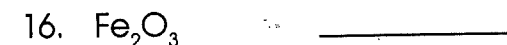
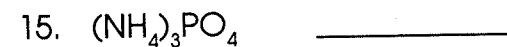


# NUMBER OF ATOMS IN A FORMULA

Name \_\_\_\_\_

Determine the number of atoms in the following chemical formulas.

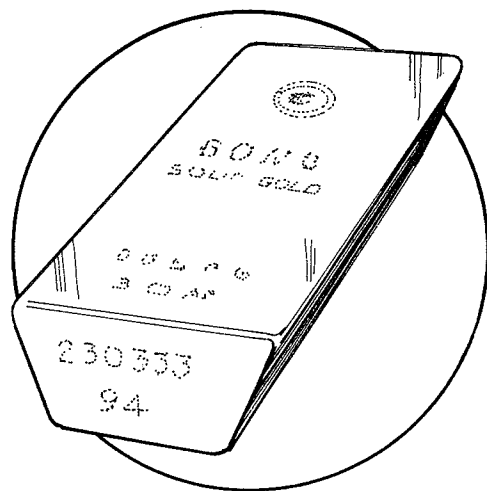
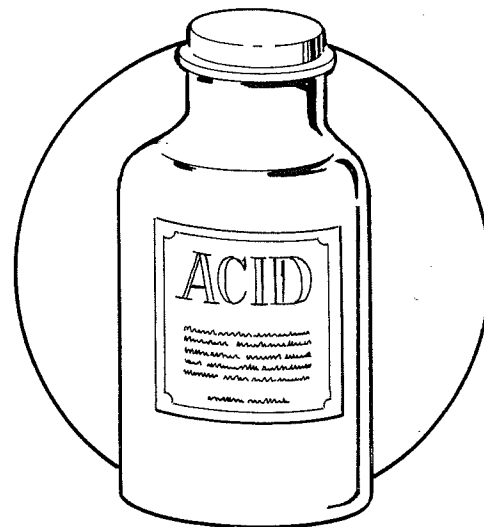


# TYPES OF CHEMICAL BONDS

Name \_\_\_\_\_

Classify the following compounds as ionic (metal and nonmetal), covalent (nonmetal and nonmetal) or both (compound containing a polyatomic ion).

1.  $\text{CaCl}_2$  \_\_\_\_\_
2.  $\text{CO}_2$  \_\_\_\_\_
3.  $\text{H}_2\text{O}$  \_\_\_\_\_
4.  $\text{BaSO}_4$  \_\_\_\_\_
5.  $\text{K}_2\text{O}$  \_\_\_\_\_
6.  $\text{NaF}$  \_\_\_\_\_
7.  $\text{Na}_2\text{CO}_3$  \_\_\_\_\_
8.  $\text{CH}_4$  \_\_\_\_\_
9.  $\text{SO}_3$  \_\_\_\_\_
10.  $\text{LiBr}$  \_\_\_\_\_



11.  $\text{MgO}$  \_\_\_\_\_
12.  $\text{NH}_4\text{Cl}$  \_\_\_\_\_
13.  $\text{HCl}$  \_\_\_\_\_
14.  $\text{KI}$  \_\_\_\_\_
15.  $\text{NaOH}$  \_\_\_\_\_
16.  $\text{NO}_2$  \_\_\_\_\_
17.  $\text{AlPO}_4$  \_\_\_\_\_
18.  $\text{FeCl}_3$  \_\_\_\_\_
19.  $\text{P}_2\text{O}_5$  \_\_\_\_\_
20.  $\text{N}_2\text{O}_3$  \_\_\_\_\_

# WRITING BINARY FORMULAS

Name \_\_\_\_\_

Write the formulas for the compounds formed from the following ions.

