

# TYPES OF CHEMICAL BONDS

Name \_\_\_\_\_

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

1.  $\text{CaCl}_2$  \_\_\_\_\_

11.  $\text{MgO}$  \_\_\_\_\_

2.  $\text{CO}_2$  \_\_\_\_\_

12.  $\text{NH}_4\text{Cl}$  \_\_\_\_\_

3.  $\text{H}_2\text{O}$  \_\_\_\_\_

13.  $\text{HCl}$  \_\_\_\_\_

4.  $\text{BaSO}_4$  \_\_\_\_\_

14.  $\text{KI}$  \_\_\_\_\_

5.  $\text{K}_2\text{O}$  \_\_\_\_\_

15.  $\text{NaOH}$  \_\_\_\_\_

6.  $\text{NaF}$  \_\_\_\_\_

16.  $\text{NO}_2$  \_\_\_\_\_

7.  $\text{Na}_2\text{CO}_3$  \_\_\_\_\_

17.  $\text{AlPO}_4$  \_\_\_\_\_

8.  $\text{CH}_4$  \_\_\_\_\_

18.  $\text{FeCl}_3$  \_\_\_\_\_

9.  $\text{SO}_3$  \_\_\_\_\_

19.  $\text{P}_2\text{O}_5$  \_\_\_\_\_

10.  $\text{LiBr}$  \_\_\_\_\_

20.  $\text{N}_2\text{O}_3$  \_\_\_\_\_