

# 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.  $\text{N}_2\text{O}_3$

\_\_\_\_\_