

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