

# TYPES OF CHEMICAL BONDS

Name \_\_\_\_\_

Classify the following compounds as ionic (metal + nonmetal) covalent (nonmetal + nonmetal)

1.  $\text{CaCl}_2$  I

11.  $\text{MgO}$  I

2.  $\text{CO}_2$  C

12.  $\text{NH}_4\text{Cl}$  I \*  
*Ammonium act like a metal \**

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

13.  $\text{HCl}$  C

4.  $\text{BaSO}_4$  I

14.  $\text{KI}$  I

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

15.  $\text{NaOH}$  I

6.  $\text{NaF}$  I

16.  $\text{NO}_2$  C

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

17.  $\text{AlPO}_4$  I

8.  $\text{CH}_4$  C

18.  $\text{FeCl}_3$  I

9.  $\text{SO}_3$  C

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

10.  $\text{LiBr}$  I

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