

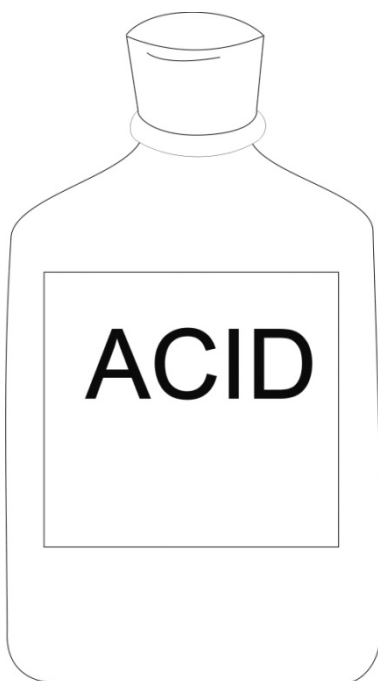
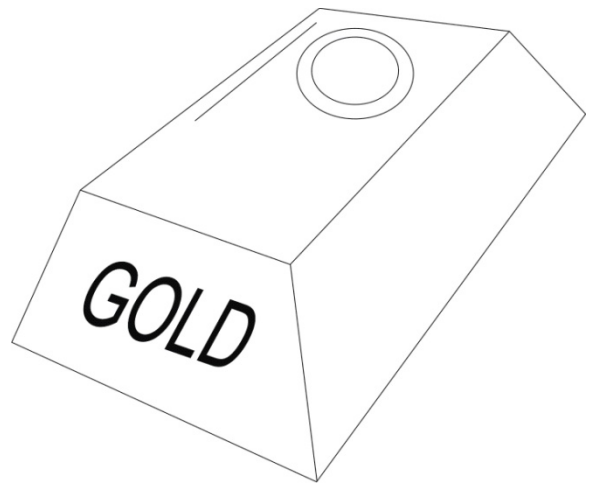
Name \_\_\_\_\_

Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**TYPES OF CHEMICAL BONDS**

Provide the appropriate descriptive term for the types of bonds in the compounds below. Use the terms: covalent (nonmetal and metal), ionic (nonmetal and metal), or both (for compounds containing a polyatomic ion).

- |     |                      |          |
|-----|----------------------|----------|
| 1.  | $\text{AlPO}_4$      | both     |
| 2.  | $\text{BaSO}_4$      | both     |
| 3.  | $\text{CaCl}_2$      | ionic    |
| 4.  | $\text{CH}_4$        | covalent |
| 5.  | $\text{CO}_2$        | covalent |
| 6.  | $\text{FeCl}_3$      | ionic    |
| 7.  | $\text{H}_2\text{O}$ | covalent |
| 8.  | $\text{HCl}$         | covalent |
| 9.  | $\text{K}_2\text{O}$ | ionic    |
| 10. | $\text{KI}$          | ionic    |



- |     |                          |          |
|-----|--------------------------|----------|
| 11. | $\text{LiBr}$            | ionic    |
| 12. | $\text{MgO}$             | ionic    |
| 13. | $\text{N}_2\text{O}_3$   | covalent |
| 14. | $\text{Na}_2\text{CO}_3$ | both     |
| 15. | $\text{NaF}$             | ionic    |
| 16. | $\text{NaOH}$            | both     |
| 17. | $\text{NH}_4\text{Cl}$   | both     |
| 18. | $\text{NO}_2$            | covalent |
| 19. | $\text{P}_2\text{O}_5$   | covalent |
| 20. | $\text{SO}_3$            | covalent |