

Name \_\_\_\_\_

## Molecular Compounds

Write the names for the following molecular compounds:

- |                            |                            |
|----------------------------|----------------------------|
| 1) $\text{CO}_2$           | Carbon dioxide             |
| 2) $\text{SCl}_4$          | Sulfur tetrachloride       |
| 3) $\text{N}_2\text{O}$    | Dinitrogen Monoxide        |
| 4) $\text{XeO}_3$          | Xenon trioxide             |
| 5) $\text{P}_4\text{O}_6$  | Tetraphosphorus hexoxide   |
| 6) $\text{BrF}_5$          | Bromine pentafluoride      |
| 7) $\text{S}_2\text{Cl}_2$ | Disulfur dichloride        |
| 8) $\text{P}_3\text{N}_5$  | Triphosphorus pentanitride |
| 9) $\text{SO}_3$           | Sulfur trioxide            |
| 10) $\text{CCl}_4$         | Carbon tetrachloride       |

Write the formulas for the following molecular compounds:

- |                                  |                            |
|----------------------------------|----------------------------|
| 11) Krypton difluoride           | $\text{KrF}_2$             |
| 12) Nitrogen trioxide            | $\text{NO}_3$              |
| 13) Silicon tetrachloride        | $\text{SiCl}_4$            |
| 14) Dichlorine monoxide          | $\text{Cl}_2\text{O}$      |
| 15) Tetraphosphorous decasulfide | $\text{P}_4\text{S}_{10}$  |
| 16) Sulfur hexafluoride          | $\text{SF}_6$              |
| 17) DiNitrogen pentasulfide      | $\text{N}_2\text{S}_5$     |
| 18) Tetraarsenic decoxide        | $\text{As}_4\text{O}_{10}$ |
| 19) Trisulfur dinitride          | $\text{S}_3\text{N}_2$     |
| 20) Carbon disulfide             | $\text{CS}_2$              |

Write the Lewis dot (electron dot) structure for the following molecules:

- 21) Carbon Dioxide
- 22) Carbon tetrachloride
- 23) Sodium Chloride
- 24)  $\text{C}_2\text{H}_5\text{OH}$
- 25) Magnesium Bromide
- 26) Calcium Hydroxide
- 27) Ammonia ( $\text{NH}_3$ )
- 28) Water