

Bonding worksheet 3

Name each molecule given.

| Molecule | Name | Molecule | Name |
|-------------------|---------------------|--------------------------------|-----------------------|
| Na ₃ P | Sodium phosphide | Li ₂ S | Lithium sulfide |
| NaCl | Sodium chloride | BCl ₃ | Boron trichloride |
| CH ₄ | Carbon tetrahydride | BeCl ₂ | Beryllium chloride |
| H ₂ O | Dihydrogen monoxide | K ₂ S | Potassium sulfide |
| NH ₃ | Nitrogen trihydride | NCl ₃ | Nitrogen trichloride |
| KI | Potassium iodide | Cl ₂ | Chlorine |
| CO ₂ | Carbon dioxide | C ₂ S ₄ | Dicarbon tetrasulfide |
| CaS | Calcium sulfide | N ₂ | Nitrogen |
| MgO | Magnesium oxide | N ₂ S ₃ | Dinitrogen trisulfide |
| CO | Carbon monoxide | Al ₂ S ₃ | Aluminum sulfide |

| | | | |
|-------------------------|-------------------------|-------------------------|------------------------------|
| CCl_4 | Carbon tetrachloride | NaI | Sodium iodide |
| AlCl_3 | Aluminum chloride | N_2O_3 | Dinitrogen trioxide |
| LiF | Lithium fluoride | PCl_3 | Phosphorus trichloride |
| PF_3 | Phosphorus trifluoride | MgF_2 | Magnesium fluoride |
| P_2S_3 | Diphosphorus trisulfide | OCl_2 | Oxygen dichloride |
| Mg_3P_2 | Magnesium phosphide | CaCl_2 | Calcium chloride |
| SiCl_4 | Silicon tetrachloride | BeF_2 | Beryllium fluoride |
| K_2O | Potassium oxide | KF | Potassium fluoride |
| HCl | Hydrogen chloride | Si_2S_4 | Disilicon tetrasulfide |
| CF_4 | Carbon tetrafluoride | P_4S_5 | Tetraphosphorus pentasulfide |