

Rules:

*If Ionic (M/NM), must criss-cross charges to get formula!!

--If contains polyatomic ion (ends in -ate or -ite), don't forget to use parentheses when criss-crossing!!

*If Covalent (NM only), use prefixes to get formula!!

*Know your diatomic molecules, acids, and common substances on your ELEMENTary Knowledge sheet (you will not be allowed to use your ELEMENTary Knowledge sheet on the test→they must be memorized!!)

| # | Name | Ionic or Covalent? | If Ionic→ polyatomic ion? | Formula? |
|----|------------------------------------|--------------------|---------------------------|---|
| 1 | Dihydrogen monoxide | C | | H ₂ O |
| 2 | Acetic acid | C | | HC ₂ H ₃ O ₂ |
| 3 | Aluminum nitride | I | N | AlN |
| 4 | Aluminum nitrate | I | Y | Al(NO ₃) ₃ |
| 5 | Oxygen | C | | O ₂ |
| 6 | Sodium chloride | I | N | NaCl |
| 7 | Ammonia | C | | NH ₃ |
| 8 | Calcium iodide | I | N | CaI ₂ |
| 9 | Magnesium oxide | I | N | MgO |
| 10 | Diphosphorous pentoxide | C | | P ₂ O ₅ |
| 11 | Methane | C | | CH ₄ |
| 12 | Sulfuric acid | C | | H ₂ SO ₄ |
| 13 | Sodium hydroxide | I | Y | NaOH |
| 14 | Nitrogen | C | | N ₂ |
| 15 | Boron trichloride | C | | BCl ₃ |
| 15 | Nitric acid | C | | HNO ₃ |
| 17 | Aluminum carbonate | I | Y | Al ₂ (CO ₃) ₃ |
| 18 | Ammonium hydroxide | I | Y | NH ₄ OH |
| 19 | Iron(II) nitrate | I | Y | Fe(NO ₃) ₂ |
| 20 | Copper (II) chloride | I | N | CuCl ₂ |
| 21 | Copper (I) chloride | I | N | CuCl |
| 22 | Barium sulfite | I | Y | BaSO ₃ |
| 23 | Magnesium nitrite | I | Y | Mg(NO ₂) ₂ |
| 24 | Ammonium bromide | I | Y | NH ₄ Br |
| 25 | Ammonium phosphate | I | Y | (NH ₄) ₃ PO ₄ |
| 26 | Sodium nitride | I | N | Na ₃ N |
| 27 | Potassium chromate | I | Y | K ₂ CrO ₄ |
| 28 | Calcium carbonate | I | Y | CaCO ₃ |
| 29 | Chlorine | C | | Cl ₂ |
| 30 | Diboron hexahydride (AKA diborane) | C | | B ₂ H ₆ |
| 31 | Dinitrogen pentoxide | C | | N ₂ O ₅ |
| 32 | Iron(III) sulfate | I | Y | Fe ₂ (SO ₄) ₃ |
| 33 | Iodine | C | | I ₂ |
| 34 | Hydrochloric acid | C | | HCl |
| 35 | Carbon monoxide | C | | CO |
| 36 | Carbon dioxide | C | | CO ₂ |
| 37 | Phosphorous trihydride | C | | PH ₃ |
| 38 | Dinitrogen tetrachloride | C | | N ₂ Cl ₄ |
| 39 | Fluorine | C | | F ₂ |
| 40 | Cesium fluoride | I | N | CsF |