Create a Formula for the following elements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Metal | Non-metal | Compound | Metal | Non-metal | Compound |
| Na | Br |  | Al | Cl |  |
| Mg | Br |  | B | O |  |
| Al | Br |  | Ca | N |  |
| Li | S |  | K | O |  |
| Ca | S |  | Na | P |  |
| B | S |  | Al | O |  |
| K | N |  | Mg | S |  |
| Be | N |  | B | P |  |
| Al | N |  | Na | Cl |  |
| Li | O |  | Ca | F |  |

Name the following compounds

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Metal | Non-metal | Compound | Metal | Non-metal | Compound |
| Na | Br |  | Al | Cl |  |
| Mg | Br |  | B | O |  |
| Al | Br |  | Ca | N |  |
| Li | S |  | K | O |  |
| Ca | S |  | Na | P |  |
| B | S |  | Al | O |  |
| K | N |  | Mg | S |  |
| Be | N |  | B | P |  |
| Al | N |  | Na | Cl |  |
| Li | O |  | Ca | F |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Metal Ion** | **Non-metal Ion** | **Chemical Formula** |
| sodium fluoride | Na+1 | F-1 | NaF |
| boron iodide |  |  |  |
| calcium phosphide |  |  |  |
| magnesium oxide |  |  |  |
| potassium chloride |  |  |  |
| beryllium sulfide |  |  |  |
| barium nitride |  |  |  |
| aluminum sulfide |  |  |  |
| lithium phosphide |  |  |  |
| potassium sulfide |  |  |  |
| boron oxide |  |  |  |
| calcium fluoride |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Compound Name** | **Metal Ion** | **Non-metal Ion** | **Formula** |
| gold (I) chloride |  |  |  |
| nickel (III) sulfide |  |  |  |
| cobalt (II) oxide |  |  |  |
| iron (III) phosphide |  |  |  |
| mercury (IV) fluoride |  |  |  |
| nickel (II) nitride |  |  |  |
| gold (III) sulfide |  |  |  |
| copper (I) oxide |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Compound Name** | **Positive Ion** | **Negative Ion** | **Formula** |
| **sodium carbonate** | **Na+** | **CO32-** | **Na2CO3** |
| **calcium nitrate** |  |  |  |
| **barium sulfate** |  |  |  |
| **aluminum hydrogen carbonate** |  |  |  |
| **potassium phosphate** |  |  |  |
| **beryllium hydroxide** |  |  |  |
| **lithium hydrogen sulfate** |  |  |  |
| **ammonium chloride** |  |  |  |
| **sodium phosphate** |  |  |  |
| **potassium sulfate** |  |  |  |
| **ammonium carbonate** |  |  |  |

|  |  |
| --- | --- |
| **FORMULA** | **NAME OF COMPOUND** |
| **Mg(OH)2** |  |
| **CaCO3** |  |
| **NH4Cl** |  |
| **LiHCO3** |  |
| **Al(NO3)3** |  |
| **Be3(PO4)2** |  |
| **KHSO4** |  |
| **(NH4)3N** |  |

| **Chemical Name** | **Formula** | **Chemical Name** | **Formula** |
| --- | --- | --- | --- |
| **nitrogen monoxide** | **NO** |  | **SCl2** |
| **silicon dioxide** |  |  | **SO2** |
| **sulfur trioxide** |  |  | **NO** |
| **carbon tetrachloride** |  |  | **SiS2** |
| **diarsenic trioxide** |  |  | **PO3** |
| **phosphorus pentabromide** |  |  | **PF3** |
| **nitrogen dioxide** |  |  | **CBr4** |
| **sulfur hexafluoride** |  |  | **NCl3** |
| **selenium dioxide** |  |  | **SiO3** |
| **dinitrogen tetroxide** |  |  | **PCl3** |
| **sulfur dioxide** |  |  | **CS2** |