***Nomenclature Practice Packet***

Ionic Compounds

|  |  |
| --- | --- |
| **Compound Formula** | **Compound Name** |
| CaF2 |  |
| Na2O |  |
| BaS |  |
| CuSO4 |  |
| Fe2O3 |  |
| HgCl2 |  |
| AgNO3 |  |
| MgCO3 |  |
| KC2H3O2 |  |
| K2Cr2O7 |  |
|  | Sodium fluoride |
|  | Potassium sulfide |
|  | Calcium carbonate |
|  | Magnesium hydroxide |
|  | Zinc nitrate |
|  | Silver acetate |
|  | Copper (II) oxide |
|  | Iron (III) chloride |
|  | Barium chromate |
|  | Aluminum oxide |

Binary Compounds

|  |  |
| --- | --- |
| N2O6 |  |
| H3F7 |  |
| NO9 |  |
|  | Decanitrogen monoxide |
|  | Tetrasulfur heptafluoride |
|  | Hexafluorine nonanitride |

Acids

|  |  |
| --- | --- |
| **Compound Formula** | **Compound Name** |
| HClO4 |  |
| H3PO4 |  |
| HCl |  |
| H2SO4 |  |
| HNO2 |  |
| HI |  |
| HC2H3O2 |  |
| HF |  |
| H3PO3 |  |
| HClO3 |  |
| H2CO3 |  |
| H2SO3 |  |
| HClO2 |  |
| HNO3 |  |
| HBr |  |
|  | Nitric Acid |
|  | Chloric Acid |
|  | Acetic Acid |
|  | Hydrobromic Acid |
|  | Sulfurous Acid |
|  | Chlorous Acid |
|  | Hydrochloric Acid |
|  | Phosphoric Acid |
|  | Nitrous Acid |
|  | Hydrofluoric Acid |
|  | Perchloric Acid |
|  | Hydroiodic Acid |
|  | Phosphorous Acid |
|  | Carbonic Acid |
|  | Sulfuric Acid |

All Mixed Up

|  |  |
| --- | --- |
| **Compound Formula** | **Compound Name** |
| H2CO3 |  |
| Li2S |  |
| NaBr |  |
| ZnCl2 |  |
| AlCl3 |  |
| BaI2 |  |
| Bi2O5 |  |
| CdS |  |
| CuI2 |  |
| H3P |  |
| H3BO3 |  |
| Sb2O5 |  |
| (NH4)2CO3 |  |
| Ni(HCO3)3 |  |
| Fe(OH)3 |  |
|  | Aluminum Bromide |
|  | Copper (I) Oxide |
|  | Hydrogen Sulfide |
|  | Iodic Acid |
|  | Nickel (III) Nitride |
|  | Potassium Iodide |
|  | Carbon Disulfide |
|  | Tetracarbon Nonachloride |
|  | Hydroarsenic Acid |
|  | Nitrous Acid |
|  | Trisulfur Pentoxide |
|  | Aluminum Acetate |
|  | Barium Sulfite |
|  | Chromium (II) Nitrate |
|  | Ammonium Nitride |