Worksheet 1: Chemical formulae

**Write the formulae of the following compounds.**

|  |  |
| --- | --- |
| Copper(II) sulfate |  |
| Nitric acid |  |
| Copper(II) nitrate |  |
| Sulfuric acid |  |
| Sodium carbonate |  |
| Aluminium sulfate |  |
| Ammonium nitrate |  |
| Nitrogen dioxide |  |
| Sulfur dioxide |  |
| Ammonia |  |
| Ammonium sulfate |  |
| Potassium hydroxide |  |
| Calcium hydroxide |  |

Worksheet 2: Cations and anions

**Complete the table below to show the substance, its formula and its  
individual ions.**

|  |  |  |  |
| --- | --- | --- | --- |
| Substance | Formula | Cation  (exact number) | Anion  (exact number) |
| Sodium bromide |  |  |  |
|  | KI |  |  |
| Silver nitrate |  |  |  |
| Copper(II) sulfate |  |  |  |
|  | NaHCO3 |  |  |
| Magnesium carbonate |  |  |  |
| Lithium carbonate |  |  |  |
|  | Ca(HSO4)2 |  |  |
| Aluminium nitrate |  |  |  |
| Calcium phosphate |  |  |  |
| Potassium hydride |  |  |  |
| Sodium ethanoate |  |  |  |
|  | KMnO4 |  |  |
| Potassium dichromate(VI) |  |  |  |
| Zinc chloride |  |  |  |
| Strontium nitrate |  |  |  |
| Sodium chromate(VI) |  |  |  |
| Calcium fluoride |  |  |  |
| Potassium sulfide |  |  |  |
| Magnesium nitride |  |  |  |
| Lithium hydrogensulfate |  |  |  |
|  | (NH4)2SO4 |  |  |