**CHEMICAL FORMULAS**

In the table below are some common well known chemicals. Many of them you would come across every day. The word “chemical” often is associated with a negative vibe, but in reality a chemical is simply something which is made of atoms – so we are all made from chemicals. To say something is a chemical, does not means it is bad or artificial.

To show your understanding of chemical formulas complete the table below by describing the types and number of each atom in the chemical formula. The first couple are done for you as examples.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of Chemical** | **Chemical Formula** | **Type of atom and how many** | **Type of atom and how many** | **Type of atom and how many** | **Type of atom and how many** |
| Cyanide | CN | Carbon (C)  = 1 | Nitrogen (N)  = 1 |  |  |
| Rust | Fe2O3 | Iron (Fe)  = 2 | Oxygen (O)  = 3 |  |  |
| Water | H2O |  |  |  |  |
| Alcohol (ethanol) | C2H6O |  |  |  |  |
| Glucose | C6H12O6 |  |  |  |  |
| Bleach | **NaCl**O |  |  |  |  |
| Caffeine | C8H10N4O2 |  |  |  |  |
| Table Salt | **NaCl** |  |  |  |  |
| Graphite (pencil lead) | C |  |  |  |  |
| Carbon Dioxide | CO2 |  |  |  |  |
| Propane (BBQ gas) | C3H8 |  |  |  |  |
| [Aluminium hydroxide](https://en.wikipedia.org/wiki/Aluminium_hydroxide) | Al(OH)3 | Aluminium (Al) = 1 | Oxygen (O)  = 3 | Hydrogen (H)  = 3 |  |
| [Thiourea](https://en.wikipedia.org/wiki/Thiourea) | CS(NH2)2 |  |  |  |  |
| [Aluminium sulfate](https://en.wikipedia.org/wiki/Aluminium_sulfate) | Al2(SO4)3 |  |  |  |  |