



## 40 Common Chemical Substances All Students Must Know

	Name	Chemical formula	Notes
1	Hydrogen		
2	Oxygen		
3	Nitrogen		
4	Fluorine (pale yellow gas at r.t.p)		
5	Chlorine (greenish yellow gas at r.t.p)		
6	Bromine (reddish brown liquid at r.t.p)		
7	Iodine (purplish black solid at r.t.p)		
8	Ozone		
9	Water		
10	Methane (main component of natural gas)		
11	Ammonia		
12	Carbon monoxide		
13	Carbon dioxide		
14	Carbonic acid		
15	Calcium hydroxide (Limewater/ slaked lime)		



	Name	Chemical formula	Notes
16	Calcium oxide (Quicklime)		
17	Sulfur dioxide		
18	Sulfurous acid		
19	Hydrogen chloride		
20	Hydrochloric acid		
21	Sulfuric acid		
22	Nitric acid		
23	Phosphoric(V) acid		
24	Sodium hydroxide		
25	Sodium chloride (Table Salt)		
26	Carbon (Coke)		
27	Iron(III) oxide (Haematite)		
28	Calcium silicate (Slag)		
29	Calcium carbonate (marble/ white precipitate from carbon dioxide- limewater test/ limestone)		
30	Silicon dioxide (Silica)		



	Name	Chemical formula	Notes
31	Ethanol		
32	Ethanoic acid (Dilute solution of Vinegar)		
33	Glucose		
34	Hydrated copper(II) sulfate (blue crystals)		
35	Anhydrous copper(II) sulfate (white powder)		
36	Nitrogen monoxide (Nitric oxide)		
37	Nitrogen dioxide		
38	Potassium manganate(VII)		
39	Potassium iodide		
40	Hydrogen peroxide		