

# CHART - 4 > Important Chemicals & Compounds

ACIDS		BASES	
1. MURIATIC ACID	Hydrochloric acid [HCl]	1. CAUSTIC POTASH	Potassium hydroxide
2. AQUA FORTIS	Nitric acid [HNO <sub>3</sub> ]	2. CAUSTIC SODA	Sodium hydroxide
3. OIL OF VITRIOL	Sulphuric acid [H <sub>2</sub> SO <sub>4</sub> ]	3. LIQUOR AMMONIA	Ammonium hydroxide
4. AQUA REGIA	Nitric & hydrochloric acid [conc. - 1 vol. & 3 vol.]		
5. VINEGAR	Acetic acid [CH <sub>3</sub> COOH]		
SALTS		ORES	
1. SODIUM SULPHATE	Normal salt [Na <sub>2</sub> SO <sub>4</sub> ]	<i>ORES OF ALUMINIUM</i>	
2. SODIUM BISULPHATE	Acid salt [NaHSO <sub>4</sub> ]	1. BAUXITE	Aluminium oxide [hyd.] - [Al <sub>2</sub> O <sub>3</sub> .2H <sub>2</sub> O]
3. BLEACHING POWDER	Mixed salt [CaOCl <sub>2</sub> ]	2. CRYOLITE	Sodium aluminium fluoride - [Na <sub>3</sub> AlF <sub>6</sub> ]
4. SODIUM SILVER CYANIDE	Complex salt [Na [Ag (CN) <sub>2</sub> ]	<i>ORES OF ZINC</i>	
5. ROCK SALT	Sodium chloride [NaCl]	3. ZINC BLENDE	Zinc sulphide - [ZnS]
6. SAL AMMONIAC	Ammonium chloride	4. CALAMINE	Zinc carbonate - [ZnCO <sub>3</sub> ]
7. HORN SILVER	Silver chloride [AgCl]	5. ZINCITE	Zinc oxide - [ZnO]
8. NITRE	Potassium nitrate [KNO <sub>3</sub> ]	<i>ORES OF IRON</i>	
9. CHILE SALT PETRE	Sodium nitrate [NaNO <sub>3</sub> ]	6. HAEMATITE	Iron [III] oxide - [Fe <sub>2</sub> O <sub>3</sub> ]
10. WASHING SODA	Sodium carbonate [hyd.] - [Na <sub>2</sub> CO <sub>3</sub> .10H <sub>2</sub> O]	7. MAGNETITE	Tri iron tetraoxide - [Fe <sub>3</sub> O <sub>4</sub> ]
11. BAKING SODA	Sodium bicarbonate - [NaHCO <sub>3</sub> ]	8. IRON PYRITES	Iron sulphide [FeS <sub>2</sub> ]
12. GLAUBER'S SALT	Sodium sulphate [hyd.] - [Na <sub>2</sub> SO <sub>4</sub> .10H <sub>2</sub> O]	<i>ORE OF LEAD</i>	
13. LUNAR CAUSTIC	Silver nitrate [AgNO <sub>3</sub> ]	9. GALENA	Lead sulphide - [PbS]
14. CINNABAR	Mercuric sulphide [HgS]	<i>ORE OF COPPER</i>	
15. BLUE VITRIOL	Copper sulphate [hyd.] - [CuSO <sub>4</sub> .5H <sub>2</sub> O]	10. CUPRITE	Copper [I] oxide - [Cu <sub>2</sub> O]
16. GREEN VITRIOL	Iron [II] sulphate [hyd.] - [FeSO <sub>4</sub> .7H <sub>2</sub> O]	<i>HYDROCARBONS - Organic Compounds</i>	
17. WHITE VITRIOL	Zinc sulphate [hyd] - [ZnSO <sub>4</sub> .7H <sub>2</sub> O]	1. METHANE	CH <sub>4</sub>
18. EPSOM SALT	Magnesium sulphate [hyd] [MgSO <sub>4</sub> .7H <sub>2</sub> O]	2. ETHANE	C <sub>2</sub> H <sub>6</sub>
19. ALUM	Potassium aluminium sulphate [K <sub>2</sub> SO <sub>4</sub> .Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> .24 H <sub>2</sub> O]	3. ETHENE [ethylene]	C <sub>2</sub> H <sub>4</sub>
20. LITHARGE	Lead monoxide [PbO]	4. ETHYNE [acetylene]	C <sub>2</sub> H <sub>2</sub>
21. SILICA	Silicon dioxide [SiO <sub>2</sub> ]	5. METHANOL [methyl alcohol]	CH <sub>3</sub> OH
22. PYROLUSITE	Manganese [IV] oxide - [MnO <sub>2</sub> ]	6. ETHANOL [ethyl alcohol]	C <sub>2</sub> H <sub>5</sub> OH