

FREE eBook



COMMON CHEMICAL COMPOUNDS NAMES AND FORMULAS

**FOR SSC AND
RAILWAY EXAMS**

Current Affairs and General Awareness section is one of the most important and high scoring sections of SSC and Railway Exams like [SSC-CGL](#), [SSC CPO](#), [SSC CHSL](#), [RRB JE](#), [RRB ALP](#), etc. Therefore, we regularly provide you with Free Static GK and Current Affairs related E-books for your preparation. In this section, questions related to **Names and Formulas of Common Chemical Compounds** have been asked. Hence it becomes very important for all the candidates to be aware about all the important **Names and Formulas of Common Chemical Compounds**.

In all the [Bank and Government exams](#), every mark counts and even 1 mark can be the difference between success and failure. Therefore, to help you get these important marks we have created a Free E-book on **Names and Formulas of Common Chemical Compounds**.

The list of all the important **Names and Formulas of Common Chemical Compounds** is given in the following pages of this Free E-book on **Names and Formulas of Common Chemical Compounds**.

Sample Questions -

Q. What is the Chemical Name of 'Baking Soda' - (RRB Group D 2018)

- (a) Sodium hypochlorite
- (b) Sodium chloride
- (c) Sodium carbonate decahydrate
- (d) Sodium bi-carbonate

Answer: Option D – Sodium bicarbonate

Q. $C_{12}H_{22}O_{11}$ is the chemical formula of?

- (a) Salt
- (b) Sugar
- (c) TNT
- (d) Rubbing Alcohol

Answer: Option B – Sugar

BANK AND GOVERNMENT EXAMS 2019

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Common Chemical Compounds – Names and Formulas

Common Name	Chemical Name	Chemical Formula
Baking Soda	Sodium hydrogen carbonate or Sodium bicarbonate	NaHCO_3
Baryta	Barium hydroxide	Ba(OH)_2
Bleach (laundry)	Sodium hypochlorite	NaOCl
Bleach (solid)	sodium perborate	NaBO_3
Bleaching powder	Calcium hypochlorite	Ca(ClO)_2
Blue Vitriol	Copper sulphate pentahydrate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Borax	Sodium tetraborate decahydrate	$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$
Brimstone	Sulphur	S
Calomel	Mercurous chloride	HgCl
Carbolic acid	Phenol	$\text{C}_6\text{H}_5\text{OH}$
Carborundum	Silicon carbide	SiC
Caustic Potash	Potassium hydroxide	KOH
Chile Saltpetre	Sodium nitrate	NaNO_3
Chloroform	Trichloromethane	CHCl_3
Cream of Tartar	Potassium hydrogen tartrate	$\text{KHC}_4\text{H}_4\text{O}_6$
Dolomite	Calcium Magnesium carbonate	$\text{CaMg(CO}_3)_2$

Common Name	Chemical Name	Chemical Formula
Dry Ice	Solid Carbon dioxide	CO ₂
Epsom salt	Magnesium sulphate heptahydrate	MgSO ₄ ·7 H ₂ O
Freon	Dichlorodifluoromethane	CF ₂ Cl ₂
Galena	Lead (II) sulphide	PbS
Glauber's Salt	Sodium Sulphate decahydrate	Na ₂ SO ₄ ·10H ₂ O
Glycerine	Trihydroxy propanol	C ₃ H ₈ O ₃
Grain Alcohol	Ethanol	C ₂ H ₅ OH
Graphite	Carbon	C
Green Vitriol	Ferrous sulphate heptahydrate	FeSO ₄ ·7 H ₂ O
Gypsum	Calcium sulphate dihydrate	CaSO ₄ ·2 H ₂ O
Heavy Water	Deuterium Oxide	D ₂ O
Hypo	Sodium Thiosulfate pentahydrate	Na ₂ S ₂ O ₃ ·5H ₂ O
Iron Pyrite (Fool's gold)	Iron disulphide	FeS ₂
Jeweller's Rouge/Red Rouge	Iron(III) Oxide/ Ferric Oxide	Fe ₂ O ₃
Laughing gas	Dinitrogen oxide/Nitrous Oxide	N ₂ O
Lime	Calcium Oxide	CaO
Limestone	Calcium carbonate	CaCO ₃
Litharge	Lead(II) Oxide	PbO
Lunar Caustic	Silver Nitrate	AgNO ₃

Common Name	Chemical Name	Chemical Formula
Lye/Caustic Soda	Sodium Hydroxide	NaOH
Marble	Calcium carbonate	CaCO ₃
Marsh Gas	Methane	CH ₄
MEK	Methyl ethyl ketone/Butanone	CH ₃ COC ₂ H ₅
Milk of Magnesia	Magnesium hydroxide	Mg(OH) ₂
Mohr's Salt	Ammonium Ferrous Sulphate Hexahydrate	(NH ₄) ₂ Fe(SO ₄) ₂ ·6 H ₂ O
Muriatic acid	Hydrochloric acid	HCl
Oil of Vitriol	Sulfuric acid	H ₂ SO ₄
Oil of Wintergreen	Methyl salicylate	C ₈ H ₈ O ₃
Phosgene	Carbonyl dichloride	COCl ₂
Plaster of Paris	Calcium sulphate hemi-hydrate	CaSO ₄ ·½ H ₂ O
Potash	Potassium carbonate	K ₂ CO ₃
Potash Alum	Potassium Aluminium sulphate dodecahydrate	KAl(SO ₄) ₂ ·12H ₂ O
Quartz	Silicon dioxide	SiO ₂
Quicksilver	Mercury	Hg
Rochelle Salt	Potassium Sodium Tartrate	KNaC ₄ H ₄ O ₆ ·4H ₂ O
Rock Salt	Sodium Chloride	NaCl

Common Name	Chemical Name	Chemical Formula
Rubbing Alcohol	Isopropyl alcohol	$(\text{CH}_3)_2\text{CHOH}$
Sal Ammoniac	Ammonium chloride	NH_4Cl
Salt	Sodium chloride	NaCl
Salt Substitute	Potassium chloride	KCl
Saltpetre	Potassium nitrate	KNO_3
Slaked Lime	Calcium hydroxide	$\text{Ca}(\text{OH})_2$
Sugar	Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$
TNT	Trinitrotoluene	$\text{C}_6\text{H}_2(\text{NO}_2)_3\text{CH}_3$
TSP trisodium phosphate	Sodium Phosphate	Na_3PO_4
Vermillion/Cinnabar	Mercuric sulphide	HgS
Washing Soda	Sodium carbonate decahydrate	$\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
White Vitriol	Zinc sulphate heptahydrate	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$
wood alcohol	Methyl alcohol	CH_3OH

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