

INTERNATIONAL INDIAN SCHOOL BURAI DAH

Worksheet for the Academic Year 2023-24

CLASS: 10 SUBJECT: CHEMISTRY DATE: 14/05/2023

LESSON : CH-1 CHEMICAL REACTIONS AND EQUATIONS

CHEMICAL COMPOUNDS AND CHEMICAL FORMULAE

Class	Compound	Formula
	Oxygen	O ₂
	Nitrogen	N ₂
	Hydrogen	H ₂
	Carbon dioxide	CO ₂
	Carbon monoxide	CO
Gases	Sulfur dioxide	SO ₂
	Nitrogen dioxide	NO ₂
	Nitrogen monoxide (nitric oxide)	NO
	Dinitrogen oxide (nitrous oxide)	N ₂ O
	Chlorine	Cl ₂
	Hydrogen chloride	HCl
	Ammonia	NH ₃
	Hydrochloric acid	HCl
	Sulfuric acid	H ₂ SO ₄
Acids	Nitric acid	HNO ₃
	Phosphoric acid	H ₃ PO ₄
	Carbonic acid	H ₂ CO ₃

	Aluminium chloride	AlCl ₃ (aq)
	Aluminium sulphate	Al ₂ (SO ₄) ₃
	Aluminium hydroxide	Al(OH) ₃
	Aluminium oxide	Al ₂ O ₃

	Ammonium chloride	NH ₄ Cl
	Ammonium hydroxide	NH ₄ OH
	Ammonium sulphate	(NH ₄) ₂ SO ₄

	Barium chloride	BaCl ₂ (aq)
	Barium sulphate	BaSO ₄ (S)
	Barium iodide	BaI ₂
	Barium Bromide	BaBr ₂
	Barium hydroxide	Ba(OH) ₂

	Calcium oxide	CaO
	Calcium hydroxide	Ca(OH) ₂
	Calcium carbonate	CaCO ₃
	Calcium nitrate	Ca(NO ₃) ₂
	Calcium sulphate	CaSO ₄

	Copper nitrate	Cu(NO ₃) ₂
	Copper chloride	CuCl ₂
	Copper oxide	CuO
	Copper sulphate	CuSO ₄
	Copper carbonate	CuCO ₃
	Copper hydroxide	Cu(OH) ₂

	Ferrous hydroxide	Fe(OH) ₂
	Ferric oxide	Fe ₂ O ₃
	Ferrous oxide	FeO
	Ferrous sulphate	FeSO ₄
	ferrous chloride	FeCl ₂

	Lead iodide	PbI ₂
	Lead nitrate	Pb(NO ₃) ₂
	Lead sulphate	PbSO ₄
	Lead monoxide	PbO
	Lead chloride	PbCl ₂

	Magnesium chloride	MgCl ₂
	Magnesium sulphate	MgSO ₄
	Magnesium hydroxide	Mg(OH) ₂

	Potassium iodide	KI
	Potassium bromide	KBr
	Potassium cyanide	KCN
	Potassium sulphate	K ₂ SO ₄
	Potassium chloride	KCl
	Potassium hydroxide	KOH
	Potassium chlorate	KClO ₃
	Potassium nitrate	KNO ₃
	Potassium permanganate	KMnO ₄

	Sodium hydroxide	NaOH
	Sodium chloride	NaCl
	Sodium carbonate	Na ₂ CO ₃
	Sodium nitrate	NaNO ₃
	Sodium sulphate	Na ₂ SO ₄
	Sodium Zincate	Na ₂ ZnO ₂
	Sodium Hydrogen Carbonate	NaHCO ₃

	Silver chloride	AgCl
	Silver nitrate	AgNO ₃
	Silver bromide	AgBr

	Zinc nitrate	Zn(NO ₃) ₂
	Zinc carbonate	ZnCO ₃
	Zinc oxide	ZnO
	Zinc sulphate	ZnSO ₄
	Zinc chloride	ZnCl ₂
	Zinc hydroxide	Zn(OH) ₂

	Acetic acid	CH ₃ COOH
	Methane	CH ₄
	Glucose	C ₆ H ₁₂ O ₆
	Hydrogen peroxide	H ₂ O ₂