

Writing Formulas and Naming Compounds Worksheet

Write the formulae for the following compounds.

Compound Name	Formula
Hydrogen Chloride	
Nickel Sulphate	
Nitrogen Trichloride	
Carbon Dioxide	
Chlorine Trifluoride	
Boron Trifluoride	
Aluminium Phosphate	
Magnesium Perchlorate	
Dioxygen Difluoride	
Disulphur Dichloride	
Potassium Sulphide	
Potassium Permanganate	
Ammonium Carbonate	
Carbon Tetrafluoride	
Phosphorus Pentachloride	
Xenon Trifluoride	
Sulphur Tetrafluoride	
Phosphorus Triiodide	
Sulphur Hexafluoride	
Nitrogen Dioxide	
Tetraphosphorus Decoxide	
Disulphur Decafluoride	
Dinitrogen Monoxide	

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Answers

Compound Name	Formula
Hydrogen Chloride	HCl
Nickel Sulphate	NiSO ₄
Nitrogen Trichloride	NOCl ₃
Carbon Dioxide	CO ₂
Chlorine Trifluoride	ClF ₃
Boron Trifluoride	BF ₃
Aluminium Phosphate	Al ₂ (PO ₄) ₃
Magnesium Perchlorate	Mg(ClO ₄) ₂
Dioxygen Difluoride	O ₂ F ₂
Disulphur Dichloride	S ₂ Cl ₂
Potassium Sulphide	K ₂ S
Potassium Permanganate	KMnO ₄
Ammonium Carbonate	(NH ₄) ₂ CO ₃
Carbon Tetrafluoride	CF ₄
Phosphorus Pentachloride	PCl ₅
Xenon Trifluoride	XeF ₃
Sulphur Tetrafluoride	SF ₄
Phosphorus Triiodide	PI ₃
Sulphur Hexafluoride	SF ₆
Nitrogen Dioxide	NO ₂
Tetraphosphorus Decoxide	P ₄ O ₁₀
Disulphur Decafluoride	S ₂ F ₁₀
Dinitrogen Monoxide	N ₂ O