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Chapter 5 Worksheet: Nomenclature

1. Ionic Compounds and ions

Name	Formula
sulfate	
	PO_3^{3-}
peroxide	
	H^-
Sodium nitride	
Potassium nitrite	
	$\text{Ca}(\text{ClO})_2$
	Na_3PO_4
Cobalt (II) sulfate	
Iron (III) nitrate	
	Mn_2O_3
Copper (II) chromate	
	MgSO_3
	K_2O_2
Lithium cyanide	
Titanium (IV) sulfide	

2. Covalent/Molecular Compounds

Name	Formula
	SiF_4
	N_2O_3
Carbon tetrachloride	
Silicon dioxide	
	OF_2
Dihydrogen monoxide	
	NI_3
	CO

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3. Acids

Name	Formula
Hydrofluoric acid	
	HNO_3 (aq)
Sulfuric acid	
	HI (aq)
Hydrobromic acid	
	H_3PO_4 (aq)
	HClO_4 (aq)
Phosphorus acid	
Chloric acid	
	HNO_2 (aq)

4. Combined

Name	Formula
Sodium perchlorate	
	HBr (g)
	PCl_3
Potassium permanganate	
Barium hydroxide	
	$\text{Fe}_2(\text{CO}_3)_3$
	HCl (aq)
Tin (II) chloride	
	$(\text{NH}_4)_3\text{PO}_4$
Sulfurous acid	
	AgNO_3
	CuCO_3
Acetic acid	