

Polyatomic Cations and Anions to Know

Cations					
ammonium	NH_4^+	hydronium	H_3O^+	mercury (I)	Hg_2^{2+}
Anions					
carbonate	CO_3^{2-}	hydrogen carbonate	HCO_3^-	perchlorate	ClO_4^-
chlorate	ClO_3^-	chlorite	ClO_2^-	hypochlorite	ClO^-
chromate	CrO_4^{2-}	dichromate	$\text{Cr}_2\text{O}_7^{2-}$	cyanide	CN^-
hydroxide	OH^-	iodate	IO_3^-	permanganate	MnO_4^-
nitrate	NO_3^-	nitrite	NO_2^-	peroxide	O_2^{2-}
phosphate	PO_4^{3-}	hydrogen phosphate	HPO_4^{2-}	dihydrogen phosphate	H_2PO_4^-
sulfate	SO_4^{2-}	hydrogen sulfate	HSO_4^-	sulfite	SO_3^{2-}
hydrogen sulfite	HSO_3^-	thiocyanate	SCN^-	thiosulfate	$\text{S}_2\text{O}_3^{2-}$

Monoatomic Cations and Anions to Know

hydrogen	H^+, H^-	oxygen	O^{2-}	fluorine	F^-
lithium	Li^+	sulfur	S^{2-}	chlorine	Cl^-
potassium	K^+	calcium	Ca^{2+}	scandium	Sc^{3+}
titanium	$\text{Ti}^{2+}, \text{Ti}^{3+}$	vanadium	$\text{V}^{2+}, \text{V}^{3+}$	chromium	$\text{Cr}^{2+}, \text{Cr}^{3+}$
manganese	$\text{Mn}^{2+}, \text{Mn}^{3+}$	iron	$\text{Fe}^{2+}, \text{Fe}^{3+}$	cobalt	$\text{Co}^{2+}, \text{Co}^{3+}$
nickel	Ni^{2+}	copper	$\text{Cu}^+, \text{Cu}^{2+}$	zinc	Zn^{2+}
bromine	Br^-	rubidium	Rb^+	strontium	Sr^{2+}
silver	Ag^+	cadmium	Cd^{2+}	tin	$\text{Sn}^{2+}, \text{Sn}^{4+}$
iodine	I^-	cesium	Cs^+	barium	Ba^{2+}
mercury	Hg^{2+}	lead	$\text{Pb}^{2+}, \text{Pb}^{4+}$		