

Decreasing activity	
Name	Symbol
Lithium	Li
Potassium	K
Barium	Ba
Calcium	Ca
Sodium	Na
Magnesium	Mg
Aluminum	Al
Zinc	Zn
Iron	Fe
Nickel	Ni
Tin	Tin
Lead	Pb
(Hydrogen)	(H)*
Copper	Cu
Mercury	Hg
Gold	Au

*Metals from Li to Na will replace H from acids and water; from Mg to Pb they will replace H from acids only.

1 - charge	2 - charge	3 - charge	Formula	Name	Formula	Name	Formula	Name
H_3PO_4	Dihydrogen phosphate	HPO_4^{2-}	H_2PO_4^-	Hydrogen phosphate	CO_3^{2-}	Oxalate	$\text{C}_2\text{O}_4^{2-}$	Acetate
H_2PO_4^-	Acetate	PO_4^{3-}	PO_4^{3-}	Dihydrogen phosphate	SO_4^{2-}	Sulfite	SO_3^{2-}	Dihydrogen sulfate
H_2SO_4	Dihydrogen sulfate	HSO_4^-	HSO_4^-	(bisulfite)	CO_3^{2-}	Sulfate	CO_3^{2-}	Hydrogen carbonate
HCO_3^-	Hydrogen carbonate	CO_3^{2-}	CO_3^{2-}	(bicarbonate)	CrO_4^{2-}	Chromate	CrO_4^{2-}	Cyanide
NO_3^-	Nitrate	CrO_4^{2-}	CrO_4^{2-}	Nitrite	SiO_4^{4-}	Dichromate	SiO_4^{4-}	Hydroxide
CN^-	Nitrite	SiO_4^{4-}	SiO_4^{4-}	Ammonium	ClO_4^-	Perchlorate	ClO_4^-	Chlorite
NO_2^-	Ammonium	ClO_4^-	ClO_4^-	NH_4^+	ClO_4^-	Perchlorate	ClO_4^-	Chlorite
HCO_3^-	Ammonium	ClO_4^-	ClO_4^-	NH_4^+	ClO_4^-	Perchlorate	ClO_4^-	Chlorite

Table 5-4 Common Polyatomic Ions