**Common Polyatomic Ions:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$Cl^{-}$$ | Chloride | $$Br^{-}$$ | Bromide | $$I^{-}$$ | Iodide |
| $$ClO^{-}$$ | Hypochlorite | $$BrO^{-}$$ | Hypobromite | $$IO^{-}$$ | Hypoiodite |
| $$ClO\_{2}^{ -}$$ | Chlorite | $$BrO\_{2}^{ -}$$ | Bromite | $$IO\_{2}^{ -}$$ | Iodite |
| $$ClO\_{3}^{ -}$$ | Chlorate | $$BrO\_{3}^{ -}$$ | Bromate | $$IO\_{3}^{ -}$$ | Iodate |
| $$ClO\_{4}^{ -}$$ | Perchlorate | $$BrO\_{4}^{ -}$$ | Perbromate | $$IO\_{4}^{ -}$$ | Periodate |
| $$NO\_{3}^{ -}$$ | Nitrate | $$SO\_{4}^{ 2-}$$ | Sulfate | $$PO\_{4}^{ 3-}$$ | Phosphate |
| $$NO\_{2}^{ -}$$ | Nitrite | $$SO\_{3}^{ 2-}$$ | Sulfite | $$PO\_{3}^{ 3-}$$ | Phosphite |
| $$N^{3-}$$ | Nitride | $$S^{2-}$$ | Sulfide | $$P^{3-}$$ | Phosphide |
| $$N\_{3}^{ -}$$ | Azide | $$S\_{2}^{ 2-}$$ | Disulfide | $$P\_{2}O\_{7}^{ 4-}$$ | Diphosphate(Pyrophosphate) |
| $$NH\_{2}^{ -}$$ | Amide(Azanide) | $$S\_{2}O\_{7}^{ 2-}$$ | Disulfate(Pyrosulfate) | $$P\_{3}O\_{10}^{ 5-}$$ | Triphosphate |
| $$NH\_{3}$$ | Ammonia | $$S\_{2}O\_{3}^{ 2-}$$ | Thiosulfate | $$CrO\_{4}^{ 2-}$$ | Chromate |
| $$NH\_{4}^{ +}$$ | Ammonium | $$S\_{2}O\_{8}^{ 2-}$$ | Peroxydisulfate | $$Cr\_{2}O\_{7}^{ 2-}$$ | Dichromate |
| $$OH^{-}$$ | Hydroxide | $$SO\_{5}^{ 2-}$$ | Persulfate | $$CO\_{3}^{ 2-}$$ | Carbonate |
| $$O^{2-}$$ | Oxide | $$-SCN$$ | Thiocyanate | $$CO\_{4}^{ 2-}$$ | Percarbonate |
| $$O\_{2}^{ 2-}$$ | Peroxide | $$-OCN$$ | Cyanate | $$C\_{2}^{ 2-}$$ | Carbide |
| $$O\_{2}^{ -}$$ | Superoxide | $$-CN$$ | Cyanide | $$C\_{2}O\_{4}^{ 2-}$$ | Oxalate |
| $$O\_{3}^{ -}$$ | Ozonide | $$SiO\_{3}^{ 2-}$$ | Metasilicate | $$MnO\_{4}^{ -}$$ | Permanganate |
| $$H\_{3}O^{+}$$ | Hydronium | $$SiO\_{4}^{ 2-}$$ | Orthosilicate | $$MnO\_{4}^{ 2-}$$ | Manganate |
| $$I\_{3}^{ -}$$ | Triiodide | $$Si\_{2}O\_{7}^{ 6-}$$ | Pyrosilicate | $$BO\_{3}^{ 3-}$$ | Borate |

**Organic Polyatomic Ions:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$C\_{2}H\_{3}O\_{2}^{ -}$$ | Acetate | $$C\_{7}H\_{5}O\_{2}^{ -}$$ | Benzoate | $$C\_{4}H\_{4}O\_{6}^{ 2-}$$ | Tartrate |
| $$CH\_{3}COO^{-}$$ | Acetate | $$C\_{6}H\_{5}COO^{-}$$ | Benzoate | $$C\_{6}H\_{5}O\_{7}^{ 3-}$$ | Citrate |
| $$HCOO^{-}$$ | Formate | $$C\_{3}H\_{5}O\_{3}^{ -}$$ | Lactate | $$C\_{8}H\_{4}O\_{4}^{ 2-}$$ | Phthalate |

**Polyatomic Ions with Hydrogen:**

|  |  |  |  |
| --- | --- | --- | --- |
| $$HCO\_{3}^{ -}$$ | Hydrogen Carbonate(Bicarbonate) | $$HPO\_{4}^{ 2-}$$ | Hydrogen Phosphate |
| $$HSO\_{4}^{ -}$$ | Hydrogen Sulfate(Bisulfate) | $$H\_{2}PO\_{4}^{ -}$$ | Dihydrogen Phosphate |
| $$HSO\_{3}^{ -}$$ | Hydrogen Sulfite(Bisulfite) | $$HPO\_{3}^{ 2-}$$ | Hydrogen Phosphite |
| $$HS^{-}$$ | Hydrogen Sulfide | $$H\_{2}PO\_{3}^{ -}$$ | Dihydrogen Phosphite |

**Uncommon Polyatomic Ions:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$CNO^{-}$$ | Fulminate | $$AsO\_{4}^{ 3-}$$ | Arsenate | $$Se^{2-}$$ | Selenide |
| $$SiF\_{6}^{ 2-}$$ | Hexafluorosilicate | $$AsO\_{3}^{ 3-}$$ | Arsenite | $$SeO\_{4}^{ 2-}$$ | Selenate |
| $$SnO\_{3}^{ 2-}$$ | Stannate | $$BiO\_{3}^{ -}$$ | Bismuthate | $$SeO\_{3}^{ 2-}$$ | Selenite |
| $$SnO\_{2}^{ 2-}$$ | Stannite | $$SbO\_{4}^{ 3-}$$ | Antimonate | $$TeO\_{4}^{ 2-}$$ | Tellurate |
| $$GeO\_{3}^{ 2-}$$ | Germanate | $$MoO\_{4}^{ 2-}$$ | Molybdate | $$S\_{2}O\_{6}^{ 2-}$$ | Dithionate |
| $$Fe(CN)\_{6}^{ 3-}$$ | Ferricyanide | $$WO\_{4}^{ 2-}$$ | Tungstate | $$S\_{2}O\_{4}^{ 2-}$$ | Dithionite |
| $$Fe\left(CN\right)\_{6}^{ 4-}$$ | Ferrocyanide | $$VO\_{3}^{ -}$$ | Vanadate | $$B\_{4}O\_{7}^{ 2-}$$ | Tetraborate |
| $$FeSCN^{2+}$$ | Ferric Thiocyanate | $$VO\_{4}^{ 3-}$$ | Orthovanadate | $$Zn(OH)\_{4}^{ 2-}$$ | Zincate |