

Table 2.6



Some Common Polyatomic Ions

| Name | Formula | Name | Formula |
|--|------------------------------------|------------------------------------|-----------------------------|
| Mercury(I) or mercurous | Hg_2^{2+} | Nitrite | NO_2^- |
| Ammonium | NH_4^+ | Nitrate | NO_3^- |
| Cyanide | CN^- | Hydroxide | OH^- |
| Carbonate | CO_3^{2-} | Peroxide | O_2^{2-} |
| Hydrogen carbonate (or bicarbonate) | HCO_3^- | Phosphate | PO_4^{3-} |
| Acetate | $\text{C}_2\text{H}_3\text{O}_2^-$ | Monohydrogen phosphate | HPO_4^{2-} |
| Oxalate | $\text{C}_2\text{O}_4^{2-}$ | Dihydrogen phosphate | H_2PO_4^- |
| Hypochlorite | ClO^- | Sulfite | SO_3^{2-} |
| Chlorite | ClO_2^- | Sulfate | SO_4^{2-} |
| Chlorate | ClO_3^- | Hydrogen sulfite (or bisulfite) | HSO_3^- |
| Perchlorate | ClO_4^- | Hydrogen sulfate (or bisulfate) | HSO_4^- |
| Chromate | CrO_4^{2-} | Thiosulfate | $\text{S}_2\text{O}_3^{2-}$ |
| Dichromate | $\text{Cr}_2\text{O}_7^{2-}$ | | |
| Permanganate | MnO_4^- | | |

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