

# Polyatomic Ions

*Positively or negatively charged ions formed from MULTIPLE atoms*



- Polyatomic ions to know:

Ammonium  $\text{NH}_4^{1+}$

Acetate  $\text{C}_2\text{H}_3\text{O}_2^{1-}$

Perchlorate  $\text{ClO}_4^{1-}$

Chlorate  $\text{ClO}_3^{1-}$

Chlorite  $\text{ClO}_2^{1-}$

Hypochlorite  $\text{ClO}^{1-}$

Cyanide  $\text{CN}^{1-}$

Hydrogen carbonate /  
bicarbonate  $\text{HCO}_3^{1-}$

Iodate  $\text{IO}_3^{1-}$

Permanganate  $\text{MnO}_4^{1-}$

Nitrate  $\text{NO}_3^{1-}$

Nitrite  $\text{NO}_2^{1-}$

Hydroxide  $\text{OH}^{1-}$

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- Polyatomic ions to know:

Oxalate  $C_2O_4^{2-}$

Peroxide  $O_2^{2-}$

Carbonate  $CO_3^{2-}$

Sulfate  $SO_4^{2-}$

Carbonite  $CO_2^{2-}$

Sulfite  $SO_3^{2-}$

Chromate  $CrO_4^{2-}$

Phosphate  $PO_4^{3-}$

Dichromate  $Cr_2O_7^{2-}$

Phosphite  $PO_3^{3-}$

**Check out “Nick the Camel” if you struggle with memorizing them!**