

Solubility Table

by Melissa Maribel

Soluble (aq)	Exceptions that make it Insoluble (s)
Group 1: Li^+ , Na^+ , K^+ etc.	No exceptions
Ammonium (NH_4^+)	No exceptions
Nitrate (NO_3^-)	No exceptions
Acetate ($\text{C}_2\text{H}_3\text{O}_2^-$) or (CH_3COO^-)	No exceptions
Hydrogen Carbonate (HCO_3^-)	No exceptions
Chlorate (ClO_3^-)	No exceptions
Perchlorate (ClO_4^-)	No exceptions
Halogens: (Cl^- , Br^- , I^-)	Ag^+ , Pb^{2+} , Hg_2^{2+}
Sulfate (SO_4^{2-})	Ag^+ , Pb^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+}
Insoluble (s)	Exceptions that make it Soluble (aq)
Carbonate (CO_3^{2-})	Group 1: Li^+ , Na^+ , K^+ etc. or NH_4^+
Chromate (CrO_4^{2-})	Group 1: Li^+ , Na^+ , K^+ etc. or Ca^{2+} , Mg^{2+} , NH_4^+
Phosphate (PO_4^{3-})	Group 1: Li^+ , Na^+ , K^+ etc. or NH_4^+
Sulfide (S^{2-})	Group 1: Li^+ , Na^+ , K^+ etc. or NH_4^+
Hydroxide (OH^-)	Group 1: Li^+ , Na^+ , K^+ etc. or NH_4^+ , Ca^{2+} , Ba^{2+} , Sr^{2+}