

Soluble Compounds	
	Exceptions
All salts of Na^+ , K^+ , and NH_4^+	
All salts of Cl^- , Br^- , and I^-	\Leftrightarrow Halides of Ag^+ , Hg_2^{2+} , and Pb^{2+}
Compounds containing F^-	\Leftrightarrow Fluorides of Mg^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Pb^{2+}
Salts of Nitrate, NO_3^- Chlorate, ClO_3^- Perchlorate, ClO_4^- Acetate, CH_3COO^-	
Salts of Sulfate, SO_4^{2-}	\Leftrightarrow Sulfates of Sr^{2+} , Ba^{2+} , Pb^{2+}

Insoluble Compounds	
	Exceptions
All salts of Carbonate, CO_3^{2-} Phosphate, PO_4^{3-} Oxalate, $\text{C}_2\text{O}_4^{2-}$ Chromate, CrO_4^{2-} Sulfide, S^{2-}	\Leftrightarrow Salts of NH_4^+ and the alkali metal cations (Group I)
Most metal hydroxides and oxides, OH^- and O^{2-}	