

Solubility Rules

Soluble compounds	Exceptions
All salts of Na^+ , K^+ , NH_4^+	
All salts of NO_3^- , ClO_3^- , ClO_4^- , and CH_3CO_2^-	
Salts of Cl^- , Br^- , I^-	Halides of Ag^+ , Hg_2^{2+} , Pb^{2+}
Compounds of F^-	Mg^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Pb^{2+}
Salts of SO_4^{2-}	Ca^{2+} , Sr^{2+} , Ba^{2+} , Pb^{2+}
Insoluble Compounds	Exceptions
All salts of CO_3^{2-} , PO_4^{3-} , $\text{C}_2\text{O}_4^{2-}$, CrO_4^{2-}	Group I and NH_4^+
Metal S^{2-}	
Metal hydroxides and oxides	