

Solubility Rules

1. All alkali metal (Na^+ , K^+ , etc.) & NH_4^+ compounds are soluble.
2. All compounds with CH_3COO^- & NO_3^- are soluble.
3. All halogen compounds are soluble (except fluoride, F^-); Any combinations with Ag^+ , Hg^{2+} & Pb^{2+} are NOT soluble.
4. All SO_4^{2-} compounds are soluble except combinations with Ba^{2+} , Sr^{2+} , Pb^{2+} , Ca^{2+} , Ag^+ , Hg^{2+} .
5. Except for those in Rule 1, CO_3^{2-} , OH^- , O^{2-} , S^{2-} , & PO_4^{3-} compounds are NOT soluble.