SOLUBILITY RULES

1. All common nitrates (NO_3^-) are soluble.

2. All common compounds containing ammonium ions (NH_4^+) or alkali ions (family IA - Li^+, Na^+, K^+, Rb^+, Cs^+, Fr^+) are soluble.

   - other common carbonates (CO_3^{2-}) are insoluble.
   - other common phosphates (PO_4^{3-}) are insoluble.
   - other common hydroxides (OH^-) are insoluble.

3. All chlorides (Cl^-) bromides (Br^-) and iodides (I^-) are soluble except with Ag^+, Pb^{2+}, Hg^+.

4. All sulphates (SO_4^{2-}) are soluble except with Ca^{2+}, Sr^{2+}, Ba^{2+}, Ra^{2+}, Pb^{2+}.

Insoluble	Soluble
CO_3^{2-}, PO_4^{3-}, OH^- except with NH_4^+, Li^+, Na^+, K^+, Rb^+, Cs^+, Fr^+.	NO_3^- NH_4^+, Li^+, Na^+, K^+, Rb^+, Cs^+, Fr^+. Cl^-, Br^-, I^- except with Ag^+, Pb^{2+}, Hg^+. SO_4^{2-} except with Ca^{2+}, Sr^{2+}, Ba^{2+}, Ra^{2} Pb^{2+}.