

Solubility Rules

Compounds that are soluble:

Nitrates, acetates, and perchlorates
Group 1A metal salts and ammonium salts

Compounds that are mostly soluble:

Chlorides, bromides, and iodides, except for those of Pb^{2+} , Ag^+ , and Hg_2^{2+}
Sulfates, except for those of Sr^{2+} , Ba^{2+} , Pb^{2+} , and Hg_2^{2+} (CaSO_4 is slightly soluble)

Compounds that are mostly insoluble:

Carbonates, hydroxides, phosphates, and sulfides, except for ammonium
compounds and those of the Group 1A metals.
(The hydroxides and sulfides of Ca^{2+} , Sr^{2+} , and Ba^{2+} are slightly to moderately soluble.)