Chart F: Solubility Rules

Always soluble:

alkali metal ions (Li^+, Na^+, K^+, Rb^+, Cs^+), NH_4^+ (ammonium)

NO_3^-, ClO_3^-, ClO_4^-, CH_3COO^- ($C_2H_3O_2^-$)

Generally soluble:

Cl^-, Br^-, I^-	Soluble except Ag^+, Pb^{2+}, Hg_2^{2+} *(CuI_2 is insoluble)*
F^-	Soluble except Ca^{2+}, Sr^{2+}, Ba^{2+}, Pb^{2+}, Mg^{2+}, H^+
SO_4^{2-}	Soluble except Ca^{2+}, Sr^{2+}, Ba^{2+}, Pb^{2+}, Hg_2^{2+}

Generally insoluble:

O^{2-}, OH^-	Insoluble except alkali metals, and NH_4^+ Somewhat soluble Ca^{2+}, Sr^{2+}, Ba^{2+}
CO_3^{2-}, PO_4^{3-}, S^{2-}, SO_3^{2-}, $C_2O_4^{2-}$, CrO_4^{2-}	Insoluble except alkali metal ions and NH_4^+