

Soluble Ionic Compounds	
<u>Solubility Rules:</u>	<u>Exceptions:</u>
All compounds of Group 1A (1) ions Li^+ , Na^+ , K^+ , etc, and ammonium ion NH_4^+ are soluble	
All common nitrates (NO_3^-) are soluble All common acetates (CH_3COO^-) are soluble Most perchlorates (ClO_4^-) are soluble	
All common chlorides (Cl^-) are soluble All common bromides (Br^-) are soluble All common iodides (I^-) are soluble	Ag^+ , Pb^{2+} , Cu^+ , Hg_2^{2+}
All common sulfates (SO_4^{2-}) are soluble	Ca^{2+} , Sr^{2+} , Ba^{2+} , Ag^+ , Pb^{2+}
Insoluble Ionic Compounds	
<u>Insolubility Rules:</u>	<u>Exceptions:</u>
All common metal hydroxides (OH^-) are insoluble	Group 1A (1) ions - Li^+ , Na^+ , K^+ , etc The larger Group 2A (2) ions beginning with Ca^{2+}
All common carbonates (CO_3^{2-}) are insoluble All common phosphates (PO_4^{3-}) are insoluble	Group 1A (1) ions NH_4^+ ammonium ion
All common sulfides (S^{2-}) are insoluble	Group 1A (1) ions Group 2A (2) ions NH_4^+ ammonium ion