

Table 1 Solubility of Common Salts and Hydroxides in water at 25°C

Soluble	Exceptions
	Insoluble (Will produce some solid)
<p><i>Na⁺, K⁺, and NH₄⁺</i> Nitrates (NO₃⁻) perchlorates (ClO₃⁻)</p> <p>Fluorides (F⁻)</p> <p><i>Chlorides, bromides and iodides</i></p> <p>Sulfates (SO₄²⁻)</p> <p><i>Acetates (CH₃CO₂⁻)</i></p>	<p><i>None</i> <i>None</i> <i>None</i></p> <p>Mg²⁺, Ca²⁺, Sr²⁺, Ba²⁺, Pb²⁺</p> <p><i>Ag⁺, Hg₂⁺, PbI₂, CuI, HgI₂, PbCl₂, PbBr₂</i></p> <p>Sr²⁺, Ba²⁺, Pb²⁺, Ca²⁺, Ag⁺, Hg₂²⁺</p> <p>Ag⁺, Hg₂²⁺</p>
Insoluble	Exceptions
	Soluble Aqueous (aq)
<p>Carbonates (CO₃²⁻)</p> <p><i>Phosphates (PO₄³⁻)</i></p> <p>Sulfides (S²⁻)</p> <p><i>Hydroxides (OH)</i></p>	<p>Na⁺, K⁺, and NH₄⁺</p> <p><i>Na⁺, K⁺, and NH₄⁺</i></p> <p>Na⁺, K⁺, and NH₄⁺, Mg²⁺, Ca²⁺</p> <p><i>Na⁺, K⁺, and NH₄⁺, Ba²⁺, Ca²⁺, Sr²⁺</i></p>

Quick Check

Na⁺
 K⁺
 NO₃⁻
 NH₄⁺