Solubility of Some Ionic Compounds in Water			
Always Solub	le		
Alkali metals =	Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺ NH₄⁺		
Ammonium =			AAA
Acetate =	$C_2H_3O_2$ -	Memorize the Always	CNP
Chlorate =	CIO ₃ ⁻	Soluble Ones! These are the only ones	
Nitrate =	NO ₃ ⁻	you need to memorize. Others will be provided	
Perchlorate =	CIO ₄ -	as needed.	
Generally Soluble			
Cl⁻, Br⁻-, I⁻	Except when with: Ag+, Pb ²⁺ , Hg ₂ ²⁺		
F	<u>Except when with</u> : Ca ²⁺ , Ba ²⁺ , Sr ²⁺ , Pb ²⁺ , Mg ²⁺		
Sulfate = SO4 ²⁻	Except when with: Ca ²⁺ , Ba ²⁺ , Sr ²⁺ , Pb ²⁺		CBS-P
Generally Insoluble			
O²−, OH−	Except when with:	Alkali metals and NH4+	AA
	<u>Somewhat</u> soluble: Ca ²⁺ , Ba ²⁺ , Sr ²⁺		CBS
CO ₂ ^{2–} , CO ₃ ^{2–}			
S ²⁻ , SO ₃ ²⁻	Except when with: A	Alkali metals and NH4 ⁺	AA
PO4 ³⁻			
CrO4 ²⁻ , Cr ₂ O4 ²⁻			
Insoluble = forms precipitateAcronylSoluble = dissolves in water (aqueous)with me			

Soluble = dissolves in water (aqueous)

with memorizing the rules.