Solubility of Some Ionic Compounds in Water			
Always Solub	le		
Alkali metals =			
Ammonium =	NH4 ⁺		
Acetate =	$C_2H_3O_2$ -	Memorize the Always Soluble Ones!	CNP
Chlorate =	CIO ₃ -	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⁻	Except when with:	Ca ²⁺ , Ba ²⁺ , Sr ²⁺ , Pb ²⁺ , Mg ²⁺	CBS-PM
Sulfate = SO ₄ ²⁻	Except when with: Ca ²⁺ , Ba ²⁺ , Sr ²⁺ , Pb ²⁺		
Generally Insoluble			
O²−, OH−	Except when with: Alkali metals and NH4 ⁺		
	<u>Somewhat</u> soluble: Ca ²⁺ , Ba ²⁺ , Sr ²⁺		
CO ₂ ²⁻ , CO ₃ ²⁻ S ²⁻ , SO ₃ ²⁻ PO ₄ ³⁻ CrO ₄ ²⁻ , Cr ₂ O ₄ ²⁻	Except when with:	Alkali metals and NH4 ⁺	AA
Insoluble = forms preci Soluble = dissolves in v			Acronyms to hei with memorizing

Soluble = dissolves in water (aqueous)

Acronyms to help with memorizing the rules.