	Oxyanions			
borate, BO ₃ ³ -	carbonate, CO ₃ ²⁻	nitrate, NO ₃		
	silicate, SiO ₃ ²⁻	phosphate, PO ₄ ³⁻	sulfate, SO_4^{2-}	chlorate, ClO ₃
		arsenate, AsO ₄ ³⁻	selenate, SeO ₄ ²⁻	bromate, BrO ₃
			tellurate, TeO ₄ ²⁻	iodate, IO ₃

Naming Rules (keep charges the same as -ate):		Examples	
per-	one more oxygen (than -ate)	perchlorate, ClO ₄	
-ite	one less oxygen (than -ate)	chlorite, ClO ₂	
hypo-	one less oxygen (than -ite)	hypochlorite, ClO	
thio-	replace one oxygen with one sulfur	thiosulfate, S ₂ O ₃ ²⁻	

Naming Rules (the charges change):		Examples	
0 H ⁺	Normal anion name	phosphate, PO ₄ ³⁻	
1 H ⁺	Add hydrogen as prefix (charge reduced by 1)	hydrogenphosphate, HPO ₄ ²⁻	
2 H ⁺	Add dihydrogen as prefix (charge reduced by 1)	dihydrogenphosphate, H ₂ PO ₄	

Other Common Polyatomic Ions					
Formula	Name	Formula	Name	Formula	Name
H ₃ O ⁺	hydronium	NH ₄ ⁺	ammonium	Hg ₂ ²⁺	mercury(I)
OH ⁻	hydroxide	CN ⁻	cyanide	O_2^{2-}	peroxide
MnO ₄	permanganate	CrO ₄ ² -	chromate	$\operatorname{Cr_2O_7}^{2-}$	dichromate
$C_2O_4^{2-}$	oxalate	C ₂ H ₃ O ₂ or CH ₃ COO		ace	tate

Solubility Table

Group or Ion	Generally soluble, with the stated exceptions.
Group 1 (Li ⁺ , Na ⁺ ,K ⁺ , etc.), NH ₄ +	Li ⁺ is slightly soluble with CO ₃ ²⁻ , PO ₄ ³⁻ , and F ⁻ .
ClO ₄ , ClO ₃ , NO ₃ , C ₂ H ₃ O ₂ / CH ₃ COO	None.
Cl ⁻ , Br ⁻ , I ⁻	Except for those containing Ag ⁺ , Hg ₂ ²⁺ , and Pb ²⁺ .
F ⁻	Except for those containing Mg ²⁺ , Ca ²⁺ , Sr ²⁺ , Ba ²⁺ , and Pb ²⁺ .
SO ₃ ²⁻ , SO ₄ ²⁻	Except for those containing Ca ²⁺ , Sr ²⁺ , Ba ²⁺ , Ag ⁺ , and Pb ²⁺ .
	Generally insoluble, with the stated exceptions.
CO ₃ ²⁻ , PO ₄ ³⁻	Except those of Group 1 and NH ₄ ⁺ .
$CrO_4^{2-}, C_2O_4^{2-}$	Except those of Group 1 and NH ₄ ⁺ .
O^{2-}, S^{2-}	Except those of Group 1, NH ₄ ⁺ , Ca ²⁺ , Sr ²⁺ , and Ba ²⁺ .
OH.	Except those of Group 1, NH ₄ ⁺ . Except OH is slightly soluble with Ca ²⁺ , Sr ²⁺ , and Ba ²⁺ .

Strong Acids and Bases

List of Strong Acids	List of Strong Bases
HC1	LiOH *Ca(OH)2
HClO ₄	NaOH *Sr(OH)2
HNO_3	KOH *Ba(OH) ₂
$\mathrm{H_2SO_4}$	RbOH
HBr	CsOH
HI	

^{*} Group 2 bases are slightly soluble, however they fully dissociate into component anions.