

Cations:

Li ⁺	Lithium ion	Be ²⁺	Beryllium ion
Na ⁺	Sodium ion	Mg ²⁺	Magnesium ion
K ⁺	Potassium ion	Ca ²⁺	Calcium ion
Rb ⁺	Rubidium ion	Sr ²⁺	Strontium ion
Cs ⁺	Cesium ion	Ba ²⁺	Barium ion
NH₄⁺	Ammonium ion	Ra ²⁺	Radium ion
Ag ⁺	Silver ion	Cu ⁺	Copper(I) ion ('cuprous')
Al ³⁺	Aluminum ion	Cu ²⁺	Copper(II) ion ('cupric')
Zn ²⁺	Zinc ion	Fe ²⁺	Iron(II) ion ('ferrous')
Hg ²⁺	Mercury(II) ion ('mercuric')	Fe ³⁺	Iron(III) ion ('ferric')
Hg₂²⁺	Mercury(I) ion ('mercurous')		

Monatomic Anions:

F ⁻	Fluoride ion	O ²⁻	Oxide ion	N ³⁻	Nitride ion
Cl ⁻	Chloride ion	S ²⁻	Sulfide ion	P ³⁻	Phosphide ion
Br ⁻	Bromide ion	Se ²⁻	Selenide ion	As ³⁻	Arsenide ion
I ⁻	Iodide ion	Te ²⁻	Telluride ion		

Polyatomic Anions: OH⁻ Hydroxide ion, CN⁻, Cyanide ion, C₂H₃O₂⁻, Acetate ion

Related Non-oxy acids:

HF	Hydrofluoric acid	H ₂ S	Hydrosulfuric acid	HCN	Hydrocyanic acid
HCl	Hydrochloric acid	H ₂ Se	Hydroselenic acid	HC ₂ H ₃ O ₂ ,	Acetic acid
HBr	Hydrobromic acid	H ₂ Te	Hydrotelluric acid		
HI	Hydroiodic acid				

Related weak bases:

NH₃ Ammonia, PH₃ Phosphine, AsH₃ Arsine

Oxy acids and anions:

HNO ₃ ,	Nitric acid	HNO ₂ ,	Nitrous acid		
NO ₃ ⁻	Nitrate ion	NO ₂ ⁻	Nitrite ion		
H ₃ PO ₄	Phosphoric acid	H ₃ PO ₃	Phosphorous acid		
H ₂ PO ₄ ⁻	Dihydrogen phosphate ion	H ₂ PO ₃ ⁻	Dihydrogen phosphite ion		
HPO ₄ ²⁻	Hydrogen phosphate ion	HPO ₃ ²⁻	Hydrogen phosphite ion		
PO ₄ ³⁻	Phosphate ion	PO ₃ ³⁻	Phosphite ion		
H ₂ CO ₃	Carbonic acid	H ₂ SO ₄	Sulfuric acid	H ₂ SO ₃	Sulfurous acid
HCO ₃ ⁻	Hydrogen carbonate ion	HSO ₄ ⁻	Hydrogen sulfate ion	HSO ₃ ⁻	Hydrogen sulfite ion
CO ₃ ²⁻	Carbonate ion	SO ₄ ²⁻	Sulfate ion	SO ₃ ²⁻	Sulfite ion
HClO ₄	Perchloric acid	HBrO ₄	Perbromic acid	HIO ₄	Periodic acid
ClO ₄ ⁻	Perchlorate ion	BrO ₄ ⁻	Perbromate ion	IO ₄ ⁻	Periodate ion
HClO ₃	Chloric acid	HBrO ₃	Bromic acid	HIO ₃	Iodic acid
ClO ₃ ⁻	Chlorate ion	BrO ₃ ⁻	Bromate ion	IO ₃ ⁻	Iodate ion
HClO ₂	Chlorous acid	HBrO ₂	Bromous acid	HIO ₂	Iodous acid
ClO ₂ ⁻	Chlorite ion	BrO ₂ ⁻	Bromite ion	IO ₂ ⁻	Iodite ion
HOCl	Hypochlorous acid	HOBr	Hypobromous acid	HOI	Hypoiodous acid
OCl ⁻	Hypochlorite ion	OBr ⁻	Hypobromite ion	OI ⁻	Hypoiodite ion

CrO₄²⁻ Chromate ion
 Cr₂O₇²⁻ Dichromate ion
 C₂H₃O₂⁻ or CH₃CO₂⁻ Acetate ion