

Common Ions Listed by Charge

Positive Ions

1+

hydrogen	H ⁺
hydronium	H ₃ O ⁺
lithium	Li ⁺
sodium	Na ⁺
potassium	K ⁺
rubidium	Rb ⁺
cesium	Cs ⁺
silver	Ag ⁺
ammonium	NH ₄ ⁺
copper(I)	Cu ⁺

2+

beryllium	Be ²⁺
magnesium	Mg ²⁺
calcium	Ca ²⁺
strontium	Sr ²⁺
barium	Ba ²⁺
cadmium	Cd ²⁺
chromium(II)	Cr ²⁺
cobalt(II)	Co ²⁺
copper(II)	Cu ²⁺
iron(II)	Fe ²⁺
lead (II)	Pb ²⁺
mercury(I)	Hg ₂ ²⁺
mercury(II)	Hg ²⁺
nickel(II)	Ni ²⁺
tin(II)	Sn ²⁺
manganese(II)	Mn ²⁺
zinc	Zn ²⁺

3+

aluminum	Al ³⁺
arsenic(III)	As ³⁺
bismuth(III)	Bi ³⁺
scandium	Sc ³⁺
antimony(III)	Sb ³⁺
cobalt(III)	Co ³⁺
chromium(III)	Cr ³⁺
iron(III)	Fe ³⁺
nickel(III)	Ni ³⁺

4+

tin(IV)	Sn ⁴⁺
lead(IV)	Pb ⁴⁺
manganese(IV)	Mn ⁴⁺

Negative Ions

1-

fluoride	F ⁻
chloride	Cl ⁻
bromide	Br ⁻
iodide	I ⁻
hydride	H ⁻
hypochlorite	ClO ⁻
chlorite	ClO ₂ ⁻
chlorate	ClO ₃ ⁻
perchlorate	ClO ₄ ⁻
bromate	BrO ₃ ⁻
iodate	IO ₃ ⁻

nitrate	NO ₃ ⁻
nitrite	NO ₂ ⁻
permanganate	MnO ₄ ⁻
cyanide	CN ⁻
hydroxide	OH ⁻
hydrogen sulfide	HS ⁻
hydrogen carbonate or bicarbonate	HCO ₃ ⁻
hydrogen sulfate or bisulfate	HSO ₄ ⁻
hydrogen sulfite	HSO ₃ ⁻
dihydrogen phosphate	H ₂ PO ₄ ⁻
acetate	C ₂ H ₃ O ₂ ⁻
cyanate	OCN ⁻

2-

sulfide	S ²⁻
oxide	O ²⁻
peroxide	O ₂ ²⁻
carbonate	CO ₃ ²⁻
chromate	CrO ₄ ²⁻
dichromate	Cr ₂ O ₇ ²⁻
oxalate	C ₂ O ₄ ²⁻
sulfate	SO ₄ ²⁻
sulfite	SO ₃ ²⁻
hydrogen phosphate	HPO ₄ ²⁻
hydrogen phosphite	HPO ₃ ²⁻
thiosulfate	S ₂ O ₃ ²⁻

3-

nitride	N ³⁻
phosphide	P ³⁻
borate	BO ₃ ³⁻
phosphate	PO ₄ ³⁻