

Common Polyatomic Ions and Their Charges

Acetate	$\text{C}_2\text{H}_3\text{O}_2^-$ or CH_3COO^-
Benzoate	$\text{C}_7\text{H}_5\text{O}_2^-$ or $\text{C}_6\text{H}_5\text{COO}^-$
Cyanate	CNO^-
Hydrogen Oxalate	HC_2O_4^-
Hydrogen Sulfide	HS^-
Periodate	IO_4^-
Thiocyanate	SCN^-
Hydrogen Carbonate	HCO_3^-
Perchlorate	ClO_4^-
Chlorate	ClO_3^-
Chlorite	ClO_2^-
Hypochlorite	ClO^-
Hydrogen Sulfate	HSO_4^-
Hydrogen Sulfite	HSO_3^-
Cyanide	CN^-
Hydroxide	OH^-
Permanganate	MnO_4^-
Nitrate	NO_3^-
Nitrite	NO_2^-
Dihydrogen Phosphate	H_2PO_4^-
Bromate	BrO_3^-
Bromite	BrO_2^-
Iodate	IO_3^-
Iodite	IO_2^-

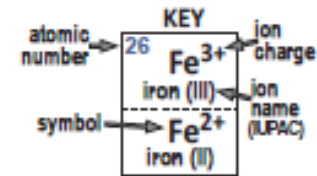
Monohydrogen Sulfate	HPO_4^{2-}
Peroxide	O_2^{2-}
Manganate	MnO_3^{2-}
Oxalate	$\text{C}_2\text{O}_4^{2-}$
Carbonate	CO_3^{2-}
Chromate	CrO_4^{2-}
Dichromate	$\text{Cr}_2\text{O}_7^{2-}$
Thiosulfate	$\text{S}_2\text{O}_3^{2-}$
Sulfate	SO_4^{2-}
Sulfite	SO_3^{2-}
Silicate	SiO_3^{2-}

Arsenate	AsO_4^{3-}
Arsenite	AsO_3^{3-}
Borate	BO_3^{3-}
Phosphate	PO_4^{3-}
Phosphite	PO_3^{3-}

Orthosilicate	SiO_4^{4-}
Pyrophosphate	$\text{P}_2\text{O}_7^{4-}$

Ammonium NH_4^+
Hydronium H_3O^+

PERIODIC TABLE OF IONS



1 H⁺ hydrogen	2											13	14	15	16	17 H⁻ hydride	18 He helium
3 Li⁺ lithium	4 Be²⁺ beryllium											5 B boron	6 C carbon	7 N³⁻ nitride	8 O²⁻ oxide	9 F⁻ fluoride	10 Ne neon
11 Na⁺ sodium	12 Mg²⁺ magnesium	3	4	5	6	7	8	9	10	11	12	13 Al³⁺ aluminum	14 Si silicon	15 P³⁻ phosphide	16 S²⁻ sulfide	17 Cl⁻ chloride	18 Ar argon
19 K⁺ potassium	20 Ca²⁺ calcium	21 Sc³⁺ scandium	22 Ti⁴⁺ titanium (IV) Ti³⁺ titanium (III)	23 V³⁺ vanadium (III) V⁵⁺ vanadium (V)	24 Cr³⁺ chromium (III) Cr²⁺ chromium (II)	25 Mn²⁺ manganese (II) Mn⁴⁺ manganese (IV)	26 Fe³⁺ iron (III) Fe²⁺ iron (II)	27 Co²⁺ cobalt (II) Co³⁺ cobalt (III)	28 Ni²⁺ nickel (II) Ni³⁺ nickel (III)	29 Cu²⁺ copper (II) Cu⁺ copper (I)	30 Zn²⁺ zinc	31 Ga³⁺ gallium	32 Ge⁴⁺ germanium	33 As³⁻ arsenide	34 Se²⁻ selenide	35 Br⁻ bromide	36 Kr krypton
37 Rb⁺ rubidium	38 Sr²⁺ strontium	39 Y³⁺ yttrium	40 Zr⁴⁺ zirconium	41 Nb⁵⁺ niobium (V) Nb³⁺ niobium (III)	42 Mo⁶⁺ molybdenum	43 Tc⁷⁺ technetium	44 Ru³⁺ ruthenium (III) Ru⁴⁺ ruthenium (IV)	45 Rh³⁺ rhodium	46 Pd²⁺ palladium (II) Pd⁴⁺ palladium (IV)	47 Ag⁺ silver	48 Cd²⁺ cadmium	49 In³⁺ indium	50 Sn⁴⁺ tin (IV) Sn²⁺ tin (II)	51 Sb³⁺ antimony (III) Sb⁵⁺ antimony (V)	52 Te²⁻ telluride	53 I⁻ iodide	54 Xe xenon
55 Cs⁺ cesium	56 Ba²⁺ barium	57 La³⁺ lanthanum	72 Hf⁴⁺ hafnium	73 Ta⁵⁺ tantalum	74 W⁶⁺ tungsten	75 Re⁷⁺ rhenium	76 Os⁴⁺ osmium	77 Ir⁴⁺ iridium	78 Pt⁴⁺ platinum (IV) Pt²⁺ platinum (II)	79 Au³⁺ gold (III) Au⁺ gold (I)	80 Hg²⁺ mercury (II) Hg⁺ mercury (I)	81 Tl⁺ thallium (I) Tl³⁺ thallium (III)	82 Pb²⁺ lead (II) Pb⁴⁺ lead (IV)	83 Bi³⁺ bismuth (III) Bi⁵⁺ bismuth (V)	84 Po²⁺ polonium (II) Po⁴⁺ polonium (IV)	85 At⁻ astatide	86 Rn radon
87 Fr⁺ francium	88 Ra²⁺ radium	89 Ac³⁺ actinium															
58 Ce³⁺ cerium	59 Pr³⁺ praseodymium	60 Nd³⁺ neodymium	61 Pm³⁺ promethium	62 Sm³⁺ samarium (III) Sm²⁺ samarium (II)	63 Eu³⁺ europium (III) Eu²⁺ europium (II)	64 Gd³⁺ gadolinium	65 Tb³⁺ terbium	66 Dy³⁺ dysprosium	67 Ho³⁺ holmium	68 Er³⁺ erbium	69 Tm³⁺ thulium	70 Yb³⁺ ytterbium (III) Yb²⁺ ytterbium (II)	71 Lu³⁺ lutetium				
90 Th⁴⁺ thorium	91 Pa⁵⁺ protactinium (V) Pa⁴⁺ protactinium (IV)	92 U⁶⁺ uranium (VI) U⁴⁺ uranium (IV)	93 Np⁵⁺ neptunium	94 Pu⁴⁺ plutonium (IV) Pu⁶⁺ plutonium (VI)	95 Am³⁺ americium (III) Am⁴⁺ americium (IV)	96 Cm³⁺ curium	97 Bk³⁺ berkelium (III) Bk⁴⁺ berkelium (IV)	98 Cf³⁺ californium	99 Es³⁺ einsteinium	100 Fm³⁺ fermium	101 Md²⁺ mendelevium (II) Md³⁺ mendelevium (III)	102 No²⁺ nobelium (II) No³⁺ nobelium (III)	103 Lr³⁺ lawrencium				