

VALENCE/OXIDATION NUMBERS

Element/Ion/Radical	Symbol	Valence/Oxidation Number
Aluminum	Al	3+
Antimony	Sb	3+, 5+
Arsenic	As	3+, 5+
Barium	Ba	2+
Bismuth	Bi	3+
Boron	B	3+
Bromine	Br	1-
Calcium	Ca	2+
Cadmium	Cd	2+
Carbon	C	2+, 4+
Chlorine	Cl	1-
Chromium	Cr	2+, 3+, 6+
Cobalt	Co	2+, 3+
Copper	Cu	1+, 2+
Fluorine	F	1-
Hydrogen	H	1+
Iodine	I	1-
Iron	Fe	2+, 3+
Lithium	Li	1+
Lead	Pb	2+, 4+
Magnesium	Mg	2+
Manganese	Mn	2+, 4+, 7+
Mercury	Hg	1+, 2+
Nickel	Ni	2+
Nitrogen	N	3-, 3+, 5+
Oxygen	O	2-
Phosphorous	P	3+, 5+

Element/Ion/Radical	Symbol	Valence/Oxidation Number
Potassium	K	1+
Silicon	Si	4+
Silver	Ag	1+
Sodium	Na	1+
Strontium	Sr	2+
Sulfur	S	2-, 4+, 6+
Tin	Sn	2+, 4+
Zinc	Zn	2+
Gold	Au	1+, 3+
Acetate	$C_2H_3O_2$	1-
Bromate	BrO_3	1-
Bromic Acid	$HBrO_3$	1-
Bromous Acid	$HBrO_2$	1-
Bromite	BrO	1-
Carbonate	CO_3	2-
Chlorate	ClO_3	1-
Chlorite	ClO_2	1-
Chromate	CrO_4	2-
Cyanide	CN	1-
Dichromate	Cr_2O_7	2-
Hydride	H	1-
Hydrogen Carbonate/ Bicarbonate	HCO_3	1-
Hydrogen Sulfate/ Bisulfate	HSO_4	1-
Hydrogen Sulfite/ Bisulfite	HSO_3	1-

Element/Ion/Radical	Symbol	Valence/Oxidation Number
Hydroxide	OH	1-
Hypochlorite	ClO	1-
Nitrate	NO ₃	1-
Nitrite	NO ₂	1-
Perchlorate	ClO ₄	1-
Permanganate	MnO ₄	1-
Peroxide	O ₂	2-
Phosphate	PO ₄	3-
Phosphite	PO ₃	3-
Sulfate	SO ₄	2-
Sulfite	SO ₃	2-
Thiocyanate	CNS	1-
Iodate	IO ₃	1-
Thiosulfate	S ₂ O ₃	2-
Oxalate	C ₂ O ₄	2-
Silicate	SiO ₃	2-
Arsenate	AsO ₄	3-
Borate	BO ₃	3-
Ferricyanide	Fe(CN) ₆	3-
Ammonium	NH ₄	1+
Hydronium	H ₃ O	1+