

Oxidation Numbers Of Common Monatomic Ions

<p><b>+1</b></p> <p>Cesium Cs Copper Cu Hydrogen H Lithium Li Potassium K Rubidium Rb Silver Ag Sodium Na Thallium Tl</p>	<p><b>+3</b></p> <p>Aluminum Al Bismuth (III) Bi Cerium (III) Ce Chromium (III) Cr Gallium (III) Ga Nickel (III) Ni Iron (III) Fe</p>
<p><b>-1</b></p> <p>Bromide Br Chloride Cl Fluoride F Hydride H Iodide I</p>	<p><b>-3</b></p> <p>Nitride N Phosphide P Arsenide As</p>
<p><b>+2,</b></p> <p>Barium Ba Cadmium Cd Calcium Ca Cobalt (II) Co Copper (II) Cu Iron (II) Fe Lead (II) Pb Magnesium Mg Manganese Mn Mercury (II) Hg Nickel (II) Ni Strontium Sr Tin (II) Sn Zinc Zn</p>	<p><b>+4</b></p> <p>Germanium (IV) Ge Lead (IV) Pb Silicon (IV) Si Thorium (IV) Th Tin (IV) Sn Zirconium (IV) Zr</p>
<p><b>-2</b></p> <p>Oxide O Selenide Se Sulfide S Telluride Te</p>	<p><b>-4</b></p> <p>Carbide C</p>

Charges of Common Polyatomic Ions

<p><b>+1</b></p> <p>Ammonium NH<sub>4</sub></p>	<p><b>-1</b></p> <p>Amide NH<sub>2</sub> Asalate AlO<sub>3</sub> Acetate C<sub>2</sub>H<sub>3</sub>O<sub>2</sub> Azide N<sub>3</sub> Benzoate C<sub>7</sub>H<sub>5</sub>O<sub>2</sub> Bismuthate BiO<sub>3</sub> Bromate BrO<sub>3</sub> Chlorate ClO<sub>3</sub> Chlorite ClO<sub>2</sub> Cyanide CN Formate CHO<sub>2</sub> Hydroxide OH Hypobromite BrO Hypochlorite ClO Hypophosphite H<sub>2</sub>PO<sub>2</sub> Iodate IO<sub>3</sub> Nitrate NO<sub>3</sub> Nitrite NO<sub>2</sub> Perbromate BrO<sub>4</sub> Perchlorate ClO<sub>4</sub> Periodate IO<sub>4</sub> Permanganate MnO<sub>4</sub> Perthenate ReO<sub>4</sub> Peroxylborate BO<sub>3</sub> Thiocyanate SCN Vanadate VO<sub>3</sub></p>
<p><b>-2</b></p> <p>Biphosphite HPO<sub>3</sub> Carbonate CO<sub>3</sub> Chromate CrO<sub>4</sub> Dichromate Cr<sub>2</sub>O<sub>7</sub> Hexachloroplatinate (IV) PtCl<sub>6</sub> Hexafluorosilicate SiF<sub>6</sub> Molybdate MoO<sub>4</sub> Oxalate C<sub>2</sub>O<sub>4</sub> Peroxide O<sub>2</sub> Peroxydisulfate S<sub>2</sub>O<sub>8</sub> Ruthenate RuO<sub>4</sub> Selenate SeO<sub>4</sub> Selenite SeO<sub>3</sub> Silicate SiO<sub>3</sub> Sulfate SO<sub>4</sub> Sulfite SO<sub>3</sub> Sulfate SO<sub>3</sub> Tartarate C<sub>4</sub>H<sub>4</sub>O<sub>6</sub> Tellurate TeO<sub>4</sub> Tellurite TeO<sub>3</sub> Tetraborate B<sub>4</sub>O<sub>7</sub> Thiosulfate S<sub>2</sub>O<sub>3</sub> Tungstate WO<sub>4</sub> Uranyl UO<sub>2</sub></p>	<p><b>-3</b></p> <p>Arsenate AsO<sub>4</sub> Arsenite AsO<sub>3</sub> Borite BO<sub>3</sub> Citrate C<sub>6</sub>H<sub>5</sub>O<sub>7</sub> Hexacyanoferrate (III) Fe(CN)<sub>6</sub> Phosphate PO<sub>4</sub></p>
<p><b>-4</b></p> <p>Diphosphate P<sub>2</sub>O<sub>7</sub> Hexacyanoferrate (II) Fe(CN)<sub>6</sub> Orthosilicate SiO<sub>4</sub> Pyrophosphate P<sub>4</sub>O<sub>7</sub></p>	

# Periodic Table of the Elements

Atomic number	14
Symbol	Si
Atomic mass	28.086
Name	Silicon

Group 1A 1	H 1.008 Hydrogen	2 He 4.0026 Helium																	18 VIIA 2
3	Li 6.941 Lithium	4 Be 9.012 Beryllium																	10 VIIIA 18
4	Na 22.990 Sodium	5 Mg 24.305 Magnesium																	8 VIIIA 16
5	K 39.098 Potassium	6 Ca 40.08 Calcium																	7 VIIA 15
6	Rb 85.468 Rubidium	7 Sr 87.62 Strontium																	6 VIA 14
7	Cs 132.905 Cesium	8 Y 88.906 Yttrium																	5 VA 13
8	Fr (223) Francium	9 Ra 226.025 Radium																	4 IVA 12
9		10 Ac 227.028 Actinium																	3 IIIA 11
10																			2 IIA 10
11																			1 IA 9
12																			8 VIIIA 16
13																			7 VIIA 15
14																			6 VIA 14
15																			5 VA 13
16																			4 IVA 12
17																			3 IIIA 11
18																			2 IIA 10
19																			1 IA 9
20																			8 VIIIA 16
21																			7 VIIA 15
22																			6 VIA 14
23																			5 VA 13
24																			4 IVA 12
25																			3 IIIA 11
26																			2 IIA 10
27																			1 IA 9
28																			8 VIIIA 16
29																			7 VIIA 15
30																			6 VIA 14
31																			5 VA 13
32																			4 IVA 12
33																			3 IIIA 11
34																			2 IIA 10
35																			1 IA 9
36																			8 VIIIA 16
37																			7 VIIA 15
38																			6 VIA 14
39																			5 VA 13
40																			4 IVA 12
41																			3 IIIA 11
42																			2 IIA 10
43																			1 IA 9
44																			8 VIIIA 16
45																			7 VIIA 15
46																			6 VIA 14
47																			5 VA 13
48																			4 IVA 12
49																			3 IIIA 11
50																			2 IIA 10
51																			1 IA 9
52																			8 VIIIA 16
53																			7 VIIA 15
54																			6 VIA 14
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56																			4 IVA 12
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58																			2 IIA 10
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60																			8 VIIIA 16
61																			7 VIIA 15
62																			6 VIA 14
63																			5 VA 13
64																			4 IVA 12
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67																			1 IA 9
68																			8 VIIIA 16
69																			7 VIIA 15
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72																			4 IVA 12
73																			3 IIIA 11
74																			2 IIA 10
75																			1 IA 9
76																			8 VIIIA 16
77																			7 VIIA 15
78																			6 VIA 14
79																			5 VA 13
80																			4 IVA 12
81																			3 IIIA 11
82																			2 IIA 10
83																			1 IA 9
84																			8 VIIIA 16
85																			7 VIIA 15
86																			6 VIA 14
87																			5 VA 13
88																			4 IVA 12
89																			3 IIIA 11
90																			2 IIA 10
91																			1 IA 9
92																			8 VIIIA 16
93																			7 VIIA 15
94																			6 VIA 14
95																			5 VA 13
96																			4 IVA 12
97																			3 IIIA 11
98																			2 IIA 10
99																			1 IA 9
100																			8 VIIIA 16
101																			7 VIIA 15
102																			6 VIA 14
103																			5 VA 13
104																			4 IVA 12
105																			3 IIIA 11
106																			2 IIA 10
107																			1 IA 9
108																			8 VIIIA 16
109																			7 VIIA 15
110																			6 VIA 14
111																			5 VA 13
112																			4 IVA 12
113																			3 IIIA 11
114																			2 IIA 10
115																			1 IA 9
116																			8 VIIIA 16
117																			7 VIIA 15
118																			6 VIA 14
119																			5 VA 13
120																			4 IVA 12
121																			3 IIIA 11
122																			2 IIA 10
123																			1 IA 9

Lanthanide Series

58	Ce	59	Pr	60	Nd	61	Pm	62	Sm	63	Eu	64	Gd	65	Tb	66	Dy	67	Ho	68	Er	69	Tm	70	Yb	71	Lu
140.12	Cerium	140.908	Praseodymium	144.24	Neodymium	(145)	Promethium	150.36	Samarium	151.97	Europium	157.25	Gadolinium	158.925	Terbium	162.50	Dysprosium	164.930	Holmium	167.26	Erbium	168.934	Thulium	173.04	Ytterbium	174.967	Lutetium

Actinide Series

90	Th	91	Pa	92	U	93	Np	94	Pu	95	Am	96	Cm	97	Bk	98	Cf	99	Es	100	Fm	101	Md	102	No	103	Lr
232.038	Thorium	231.036	Protactinium	238.029	Uranium	237.048	Nephtunium	(244)	Plutonium	(243)	Americium	(247)	Curium	(247)	Berkelium	(251)	Californium	(252)	Einsteinium	(257)	Fermium	(258)	Mendelevium	(259)	Nobelium	(262)	Lawrencium

Mass numbers in parentheses are those of the most stable or most common isotope.

↑ halogens