

# Periodic Table of the Elements

1		2.20		1s		H		Hydrogen		1.0079	
3		0.98		2s		4		1.57		2s	
Li		Lithium		6.940		Be		Beryllium		9.0121831	
11		0.93		3s		12		1.31		3s	
Na		Sodium		22.98976928		Mg		Magnesium		24.305	
19		0.82		4s		20		1.00		4s	
K		Potassium		39.0983		Ca		Calcium		40.078	
21		1.36		3d		22		1.54		3d	
Sc		Scandium		44.955908		Ti		Titanium		47.867	
39		1.22		4d		40		1.33		4d	
Y		Yttrium		88.90584		Zr		Zirconium		91.224	
37		0.82		5s		38		0.95		5s	
Rb		Rubidium		85.4678		Sr		Strontium		87.62	
55		0.79		6s		56		0.80		6s	
Cs		Cesium		132.90545196		Ba		Barium		137.327	
87		0.7		7s		88		0.9		7s	
Fr		Francium		(223)		Ra		Radium		(226)	

Z		eneg		ss		Sy		Name		saw	
Z		= atomic number; eneg = electronegativity; ss = subshell; Sy = Symbol, Name = element name, saw = standard atomic weight									

5		2.04		2p		6		2.55		2p		7		3.04		2p		8		3.44		2p		9		3.98		2p		10		2p	
B		Boron		10.811		C		Carbon		12.011		N		Nitrogen		14.007		O		Oxygen		15.999		F		Fluorine		18.998403163		Ne		Neon	
13		1.61		3p		14		1.90		3p		15		2.19		3p		16		2.58		3p		17		3.16		3p		18		3p	
Al		Aluminium		26.9815385		Si		Silicon		28.085		P		Phosphorus		30.973761998		S		Sulphur		32.065		Cl		Chlorine		35.451		Ar		Argon	
31		1.81		4p		32		2.01		4p		33		2.18		4p		34		2.55		4p		35		2.96		4p		36		3.00	
Ga		Gallium		69.723		Ge		Germanium		72.630		As		Arsenic		74.921595		Se		Selenium		78.971		Br		Bromine		79.904		Kr		Krypton	
49		1.78		5p		50		1.96		5p		51		2.05		5p		52		2.1		5p		53		2.66		5p		54		2.60	
In		Indium		114.818		Sn		Tin		118.710		Sb		Antimony		121.760		Te		Tellurium		127.60		I		Iodine		126.90447		Xe		Xenon	
81		1.62		6p		82		1.87		6p		83		2.02		6p		84		2.0		6p		85		2.2		6p		86		2.2	
Tl		Thallium		204.384		Pb		Lead		207.2		Bi		Bismuth		208.98040		Po		Polonium		(209)		At		Astatine		(210)		Rn		Radon	
113		7p		114		7p		115		7p		116		7p		117		7p		118		7p		119		7p		120		7p		121	
Nh		Nihonium		(286)		Fl		Flerovium		(289)		Mc		Moscovium		(289)		Lv		Livermorium		(293)		Ts		Tennessine		(294)		Og		Oganesson	

57	1.1	5d <sup>1</sup>	<b>La</b>	Lanthanum	138.90547
58	1.3	1.12 4f <sup>1</sup>	<b>Ce</b>	Cerium	140.116
59	1.13	4f	<b>Pr</b>	Praseodymium	140.90766
60	1.14	4f	<b>Nd</b>	Neodymium	144.242
61	1.13	4f	<b>Pm</b>	Promethium	(145)
62	1.17	4f	<b>Sm</b>	Samarium	150.36
63	1.2	4f	<b>Eu</b>	Europium	151.964
64	1.2	4f	<b>Gd</b>	Gadolinium	157.25
65	1.1	4f	<b>Tb</b>	Terbium	158.92535
66	1.22	4f	<b>Dy</b>	Dysprosium	162.500
67	1.23	4f	<b>Ho</b>	Holmium	164.93033
68	1.24	4f	<b>Er</b>	Erbium	167.259
69	1.25	4f	<b>Tm</b>	Thulium	168.93422
70	1.1	4f	<b>Yb</b>	Ytterbium	173.045
71	1.27	4f	<b>Lu</b>	Lutetium	174.9668
89	1.1	6d <sup>1</sup>	<b>Ac</b>	Actinium	(227)
90	1.3	5f	<b>Th</b>	Thorium	232.0377
91	1.5	5f	<b>Pa</b>	Protactinium	231.03588
92	1.38	5f <sup>1</sup>	<b>U</b>	Uranium	238.02891
93	1.36	5f <sup>1</sup>	<b>Np</b>	Neptunium	(237)
94	1.28	5f	<b>Pu</b>	Plutonium	(244)
95	1.13	5f	<b>Am</b>	Americium	(243)
96	1.28	5f <sup>1</sup>	<b>Cm</b>	Curium	(247)
97	1.3	5f	<b>Bk</b>	Berkelium	(247)
98	1.3	5f	<b>Cf</b>	Californium	(251)
99	1.3	5f	<b>Es</b>	Einsteinium	(252)
100	1.3	5f	<b>Fm</b>	Fermium	(257)
101	1.3	5f	<b>Md</b>	Mendelevium	(258)
102	1.3	5f	<b>No</b>	Nobelium	(259)
103	1.3	5f	<b>Lr</b>	Lawrencium	(266)

Standard atomic weights taken from the Commission on Isotopic Abundances and Atomic Weights ([ciaaw.org/atomic-weights.htm](http://ciaaw.org/atomic-weights.htm)). Adapted from Ivan Griffin's L<sup>A</sup>T<sub>E</sub>X Periodic Table. © 2016 Paul Danese

An asterisk (\*) next to a subshell indicates an anomalous (Aufbau rule-breaking) ground state electron configuration.