

The periodic table

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Hydrogen 1 H 1.008																	Helium 2 He 4.0026	
Lithium 3 Li 6.94	Beryllium 4 Be 9.0122																	
Sodium 11 Na 22.990	Magnesium 12 Mg 24.305																	
Potassium 19 K 39.098	Calcium 20 Ca 40.078(4)																	
Rubidium 37 Rb 85.468	Strontium 38 Sr 87.62																	
Caesium 55 Cs 132.91	Barium 56 Ba 137.33	57-70 *																
Francium 87 Fr [223.02]	Radium 88 Ra [226.03]	89-102 **																
			Scandium 21 Sc 44.956	Titanium 22 Ti 47.867	Vanadium 23 V 50.942	Chromium 24 Cr 51.996	Manganese 25 Mn 54.938	Iron 26 Fe 55.845(2)	Cobalt 27 Co 58.933	Nickel 28 Ni 58.693	Copper 29 Cu 63.546(3)	Zinc 30 Zn 65.38(2)	Gallium 31 Ga 69.723	Germanium 32 Ge 72.630(8)	Arsenic 33 As 74.922	Selenium 34 Se 78.971(8)	Bromine 35 Br 79.904	Krypton 36 Kr 83.798(2)
			Yttrium 39 Y 88.906	Zirconium 40 Zr 91.224(2)	Niobium 41 Nb 92.906(2)	Molybdenum 42 Mo 95.95	Technetium 43 Tc [98.906]	Ruthenium 44 Ru 101.07(2)	Rhodium 45 Rh 102.91	Palladium 46 Pd 106.42	Silver 47 Ag 107.87	Cadmium 48 Cd 112.41	Indium 49 In 114.82	Tin 50 Sn 118.71	Antimony 51 Sb 121.76	Tellurium 52 Te 127.60(3)	Iodine 53 I 126.90	Xenon 54 Xe 131.29
			Lutetium 71 Lu 174.97	Hafnium 72 Hf 178.49(2)	Tantalum 73 Ta 180.95	Tungsten 74 W 183.84	Rhenium 75 Re 186.21	Osmium 76 Os 190.23(2)	Iridium 77 Ir 192.22	Platinum 78 Pt 195.08	Gold 79 Au 196.97	Mercury 80 Hg 200.59	Thallium 81 Tl 204.38	Lead 82 Pb 207.2	Bismuth 83 Bi 208.98	Polonium 84 Po [208.98]	Astatine 85 At [209.99]	Radon 86 Rn [222.02]
			Lawrencium 103 Lr [262.11]	Rutherfordium 104 Rf [267.12]	Dubnium 105 Db [270.13]	Seaborgium 106 Sg [269.13]	Bohrium 107 Bh [270.13]	Hassium 108 Hs [270.13]	Meitnerium 109 Mt [278.16]	Darmstadtium 110 Ds [281.17]	Roentgenium 111 Rg [281.17]	Copernicium 112 Cn [285.18]	Nihonium 113 Nh [286.18]	Flerovium 114 Fl [289.19]	Moscovium 115 Mc [289.19]	Livermorium 116 Lv [293.20]	Tennessee 117 Ts [293.21]	Oganesson 118 Og [294.21]

Key:

Element Name
Atomic number
Symbol
Atomic weight (mean relative mass)

*lanthanoids

**actinoids

Lanthanum 57 La 138.91	Cerium 58 Ce 140.12	Praseodymium 59 Pr 140.91	Neodymium 60 Nd 144.24	Promethium 61 Pm [144.91]	Samarium 62 Sm 150.36(2)	Europium 63 Eu 151.96	Gadolinium 64 Gd 157.25(3)	Terbium 65 Tb 158.93	Dysprosium 66 Dy 162.50	Holmium 67 Ho 164.93	Erbium 68 Er 167.26	Thulium 69 Tm 168.93	Ytterbium 70 Yb 173.05
Actinium 89 Ac [227.03]	Thorium 90 Th 232.04	Protactinium 91 Pa 231.04	Uranium 92 U 238.03	Neptunium 93 Np [237.05]	Plutonium 94 Pu [244.06]	Americium 95 Am [243.06]	Curium 96 Cm [247.07]	Berkelium 97 Bk [247.07]	Californium 98 Cf [251.08]	Einsteinium 99 Es [252.08]	Fermium 100 Fm [257.10]	Mendelevium 101 Md [258.10]	Nobelium 102 No [259.10]

Symbols and names: the symbols and names of the elements, and their spellings are those recommended by the International Union of Pure and Applied Chemistry (IUPAC - <http://www.iupac.org/>). In some countries, the spellings aluminum, cesium, and sulphur are usual. Group labels: the numeric system (1-18) used here is the current IUPAC convention.

Atomic weights (mean relative masses): these are the IUPAC 2013 values and given to 5 significant figures. The last significant figure of each value is considered reliable to ± 1 except where a larger uncertainty is given in parentheses. IUPAC representative values are given for those elements having an atomic weight interval (H, Li, B, C, N, O, Si, S, Cl, Ti). Elements for which the atomic weight is listed within square brackets and are represented by the element's longest lived isotope reported in the IUPAC 2013 values except Tc for which the value of Tc-99 given as that is the most commonly used isotope.

Symbol	Element	Atomic Number	Avg. Atomic Mass	Symbol	Element	Atomic Number	Avg. Atomic Mass	Symbol	Element	Atomic Number	Avg. Atomic Mass
Ac	Actinium	89	227	Hf	Hafnium	72	178.49	Pr	Praseodymium	59	140.90766
Al	Aluminum	13	26.982	Hs	Hassium	108	270	Pm	Promethium	61	145
Am	Americium	95	243	He	Helium	2	4.002602	Pa	Protactinium	91	231.03588
Sb	Antimony	51	121.76	Ho	Holmium	67	164.93	Ra	Radium	88	226
Ar	Argon	18	39.948	H	Hydrogen	1	1.008	Rn	Radon	86	222
As	Arsenic	33	74.922	In	Indium	49	114.818	Re	Rhenium	75	186.207
At	Astatine	85	210	I	Iodine	53	126.904	Rh	Rhodium	45	102.90549
Ba	Barium	56	137.327	Ir	Iridium	77	192.217	Rg	Roentgenium	111	282
Bk	Berkelium	97	247	Fe	Iron	26	55.845	Rb	Rubidium	37	85.4678
Be	Beryllium	4	9.0121831	Kr	Krypton	36	83.798	Ru	Ruthenium	44	101.07
Bi	Bismuth	83	208.9804	La	Lanthanum	57	138.90547	Rf	Rutherfordium	104	267
Bh	Bohrium	107	270	Lr	Lawrencium	103	266	Sm	Samarium	62	150.36
B	Boron	5	10.81	Pb	Lead	82	207.2	Sc	Scandium	21	44.9559
Br	Bromine	35	79.904	Li	Lithium	3	6.94	Sg	Seaborgium	106	269
Cd	Cadmium	48	112.414	Lv	Livermorium	116	293	Se	Selenium	34	78.971
Ca	Calcium	20	40.078	Lu	Lutetium	71	174.9668	Si	Silicon	14	28.085
Cf	Californium	98	251	Mg	Magnesium	12	24.305	Ag	Silver	47	107.8682
C	Carbon	6	12.011	Mn	Manganese	25	54.938043	Na	Sodium	11	22.9898
Ce	Cerium	58	140.116	Mt	Meitnerium	109	278	Sr	Strontium	38	87.62
Cs	Cesium	55	132.9055	Md	Mendelevium	101	258	S	Sulfur	16	32.06
Cl	Chlorine	17	35.453	Hg	Mercury	80	200.592	Ta	Tantalum	73	180.94788
Cr	Chromium	24	51.9961	Mo	Molybdenum	42	95.95	Tc	Technetium	43	98
Co	Cobalt	27	58.933194	Mc	Moscovium	115	290	Te	Tellurium	52	127.6
Cn	Copernicium	112	285	Nd	Neodymium	60	144.242	Tn	Tennesine	117	294
Cu	Copper	29	63.546	Ne	Neon	10	20.1797	Tb	Terbium	65	158.925
Cm	Curium	96	247	Np	Neptunium	93	237	Tl	Thallium	81	204.38
Ds	Darmstadtium	110	281	Ni	Nickel	28	58.6934	Th	Thorium	90	232.0377
Db	Dubnium	105	268	Nh	Nihonium	113	286	Tm	Thulium	69	168.934
Dy	Dysprosium	66	162.5	Nb	Niobium	41	92.90637	Sn	Tin	50	118.71
Es	Einsteinium	99	252	N	Nitrogen	7	14.007	Ti	Titanium	22	47.867
Er	Erbium	68	167.259	No	Nobelium	102	259	W	Tungsten	74	183.84
Eu	Europium	63	151.964	Og	Oganesson	118	294	U	Uranium	92	238.02891
Fm	Fermium	100	257	Os	Osmium	76	190.23	V	Vanadium	23	50.9415
Fl	Flerovium	114	289	O	Oxygen	8	15.999	Xe	Xenon	54	131.293
F	Fluorine	9	18.998	Pd	Palladium	46	106.42	Yb	Ytterbium	70	173.045
Fr	Francium	87	223	P	Phosphorus	15	30.9738	Y	Yttrium	39	88.90584
Gd	Gadolinium	64	157.25	Pt	Platinum	78	195.084	Zn	Zinc	30	65.38
Ga	Gallium	31	69.723	Pu	Plutonium	94	244	Zr	Zirconium	40	91.224
Ge	Germanium	32	72.63	Po	Polonium	84	209				
Au	Gold	79	196.967	K	Potassium	19	39.0983				

Average atomic masses are given for elements with stable isotopes. Elements without any stable isotopes show the mass number of the longest-lived isotope.