



WebElements: the periodic table on the world-wide web

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1 hydrogen 1 H 1.0079	2 helium 2 He 4.0026	3 lithium 3 Li 6.941	4 beryllium 4 Be 9.0122	5 sodium 11 Na 22.990	6 magnesium 12 Mg 24.305	7 potassium 19 K 39.098	8 rubidium 37 Rb 85.468	9 caesium 55 Cs 132.91	10 francium 87 Fr [223]	11 calcium 20 Ca 40.078	12 strontium 38 Sr 87.62	13 barium 56 Ba 137.33	14 radium 88 Ra [226]	15 57-70 *	16 89-102 **	17 scandium 21 Sc 44.956	18 yttrium 39 Y 88.906	19 lutetium 71 Lu 174.97	20 lawrencium 103 Lr [262]	21 titanium 22 Ti 47.867	22 zirconium 40 Zr 91.224	23 hafnium 72 Hf 178.49	24 rutherfordium 104 Rf [267]	25 vanadium 23 V 50.942	26 niobium 41 Nb 92.906	27 tantalum 73 Ta 180.95	28 dubnium 105 Db [268]	29 chromium 24 Cr 51.996	30 molybdenum 42 Mo 95.96	31 tungsten 74 W 183.84	32 seaborgium 106 Sg [271]	33 manganese 25 Mn 54.938	34 technetium 43 Tc [98]	35 bohrium 107 Bh [272]	36 iron 26 Fe 55.845	37 ruthenium 44 Ru 101.07	38 osmium 76 Os 190.23	39 hassium 108 Hs [270]	40 cobalt 27 Co 58.933	41 rhodium 45 Rh 102.91	42 iridium 77 Ir 192.22	43 meitnerium 109 Mt [276]	44 nickel 28 Ni 58.693	45 palladium 46 Pd 106.42	46 platinum 78 Pt 195.08	47 darmstadtium 110 Ds [281]	48 copper 29 Cu 63.546	49 silver 47 Ag 107.87	50 gold 79 Au 196.97	51 roentgenium 111 Rg [280]	52 zinc 30 Zn 65.38	53 cadmium 48 Cd 112.41	54 mercury 80 Hg 200.59	55 ununbium 112 Uub [285]	56 gallium 31 Ga 69.723	57 germanium 32 Ge 72.61	58 arsenic 33 As 74.922	59 antimony 51 Sb 121.76	60 indium 49 In 114.82	61 thallium 81 Tl 204.38	62 ununtrium 113 Uut [284]	63 carbon 6 C 12.011	64 silicon 14 Si 28.086	65 boron 5 B 10.811	66 aluminium 13 Al 26.982	67 unquadrium 114 Uuq [289]	68 unpentium 115 Uup [288]	69 nitrogen 7 N 14.007	70 phosphorus 15 P 30.974	71 unhexium 116 Uuh [293]	72 unseptium 117 Uus —	73 oxygen 8 O 15.999	74 sulfur 16 S 32.065	75 unocium 118 Uuo [294]	76 fluorine 9 F 18.998	77 chlorine 17 Cl 35.453	78 argon 18 Ar 39.948	79 krypton 36 Kr 83.80	80 xenon 54 Xe 131.29	81 radon 86 Rn [222]	82 tellurium 52 Te 127.60	83 iodine 53 I 126.90	84 astatine 85 At [210]	85 polonium 84 Po [209]	86 astatine 85 At [210]	87 radon 86 Rn [222]	88 unseptium 117 Uus —	89 unocium 118 Uuo [294]
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Key:

element name
atomic number
symbol
atomic weight (mean relative mass)

*lanthanoids

lanthanum 57 La 138.91	cerium 58 Ce 140.12	praseodymium 59 Pr 140.91	neodymium 60 Nd 144.24	promethium 61 Pm [145]	samarium 62 Sm 150.36	europium 63 Eu 151.96	gadolinium 64 Gd 157.25	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 173.06
actinium 89 Ac [227]	thorium 90 Th 232.04	protactinium 91 Pa 231.04	uranium 92 U 238.03	neptunium 93 Np [237]	plutonium 94 Pu [244]	americium 95 Am [243]	curium 96 Cm [247]	berkelium 97 Bk [247]	californium 98 Cf [251]	einsteinium 99 Es [252]	fermium 100 Fm [257]	mendelevium 101 Md [258]	nobelium 102 No [259]

**actinoids

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>). Names have yet to be proposed for the most recently discovered elements beyond 112 and so those used here are IUPAC's temporary systematic names. In the USA and some other countries, the spellings **aluminum** and **cesium** are normal while in the UK and elsewhere the common spelling is **sulphur**.

Group labels: the numeric system (1–18) used here is the current IUPAC convention.

Atomic weights (mean relative masses): Apart from the heaviest elements, these are the IUPAC 2007 values and given to 5 significant figures. Elements for which the atomic weight is given within square brackets have no stable nuclides and are represented by the element's longest lived isotope reported at the time of writing.

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