

Periodic Table of the Elements

Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1.00794 1 H																	4.00260 2 He
2	6.941 3 2-1 Li	9.01218 4 2-2 Be																
3	22.98977 11 2-8-1 Na	24.305 12 2-8-2 Mg																
4	39.0983 19 2-8-8-1 K	40.08 20 2-8-8-2 Ca	44.9559 21 2-8-9-2 Sc	47.867 22 2-8-10-2 Ti	50.9415 23 2-8-11-2 V	51.996 24 2-8-13-1 Cr	54.9380 25 2-8-13-2 Mn	55.845 26 2-8-14-2 Fe	58.9332 27 2-8-15-2 Co	58.693 28 2-8-16-2 Ni	63.546 29 2-8-18-1 Cu	65.409 30 2-8-18-2 Zn	69.723 31 2-8-18-3 Ga	72.64 32 2-8-18-4 Ge	74.9216 33 2-8-18-5 As	78.96 34 2-8-18-6 Se	79.904 35 2-8-18-7 Br	83.798 36 2-8-18-8 Kr
5	85.4678 37 2-8-18-8-1 Rb	87.62 38 2-8-18-8-2 Sr	88.9059 39 2-8-18-9-2 Y	91.224 40 2-8-18-10-2 Zr	92.9064 41 2-8-18-12-1 Nb	95.94 42 2-8-18-13-1 Mo	(98) 43 2-8-18-13-2 Tc	101.07 44 2-8-18-15-1 Ru	102.906 45 2-8-18-16-1 Rh	106.42 46 2-8-18-18 Pd	107.868 47 2-8-18-18-1 Ag	112.41 48 2-8-18-18-2 Cd	114.818 49 2-8-18-18-3 In	118.71 50 2-8-18-18-4 Sn	121.760 51 2-8-18-18-5 Sb	127.60 52 2-8-18-18-6 Te	126.904 53 2-8-18-18-7 I	131.29 54 2-8-18-18-8 Xe
6	132.905 55 2-8-18-18-8-1 Cs	137.33 56 2-8-18-18-8-2 Ba	138.9055 57 2-8-18-18-9-2 La	178.49 72 *18-32-10-2 Hf	180.948 73 -18-32-11-2 Ta	183.84 74 -18-32-12-2 W	186.207 75 -18-32-13-2 Re	190.23 76 -18-32-14-2 Os	192.217 77 -18-32-15-2 Ir	195.08 78 -18-32-17-1 Pt	196.967 79 -18-32-18-1 Au	200.59 80 -18-32-18-2 Hg	204.383 81 -18-32-18-3 Tl	207.2 82 -18-32-18-4 Pb	208.980 83 -18-32-18-5 Bi	(209) 84 -18-32-18-6 Po	(210) 85 -18-32-18-7 At	(222) 86 -18-32-18-8 Rn
7	(223) 87 -18-32-18-8-1 Fr	(226) 88 -18-32-18-8-2 Ra	(227) 89 -18-32-18-9-2 Ac	(261) 104 Rf	(262) 105 Db	(266) 106 Sg	(272) 107 Bh	(277) 108 Hs	(276) 109 Mt	(281) 110 Ds	(280) 111 Rg	(285) 112 Cn	(284) 113** Uut	(289) 114 Uuq	(288) 115 Uup	(292) 116 Uuh	(?) 117 Uus	(294) 118 Uuo
				140.116 58 Ce	140.908 59 Pr	144.24 60 Nd	(145) 61 Pm	150.36 62 Sm	151.964 63 Eu	157.25 64 Gd	158.925 65 Tb	162.500 66 Dy	164.930 67 Ho	167.259 68 Er	168.934 69 Tm	173.04 70 Yb	174.9668 71 Lu	
				232.038 90 Th	231.036 91 Pa	238.029 92 U	(237) 93 Np	(244) 94 Pu	(243) 95 Am	(247) 96 Cm	(247) 97 Bk	(251) 98 Cf	(252) 99 Es	(257) 100 Fm	(258) 101 Md	(259) 102 No	(262) 103 Lr	

KEY

Atomic Mass → 12.011 Selected Oxidation States → -4, +2, +4

Symbol → **C**

Atomic Number → 6

Electron Configuration → 2-4

Relative atomic masses are based on ¹²C = 12 (exact)

Note: Numbers in parentheses are mass numbers of the most stable or common isotope.

*denotes the presence of (2-8-) for elements 72 and above

**The systematic names and symbols for elements of atomic numbers 113 and above will be used until the approval of trivial names by IUPAC.

Source: CRC Handbook of Chemistry and Physics, 91st ed., 2010–2011, CRC Press

Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetal	Nonmetal	Halogen	Noble Gas	Lanthanide	Actinide
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