

Periodic Table of the Elements

Period																		
	Group		Group										Group					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1.00794 H 1 1																	4.00260 He 2 2
2	6.941 Li 3 2-1	9.01218 Be 4 2-2											10.81 B 5 2-3	12.0111 C 6 2-4	14.0067 N 7 2-5	15.9994 O 8 2-6	18.998403 F 9 2-7	20.179 Ne 10 2-8
3	22.98977 Na 11 2-8-1	24.305 Mg 12 2-8-2											26.98154 Al 13 2-8-3	28.0855 Si 14 2-8-4	30.97376 P 15 2-8-5	32.06 S 16 2-8-6	35.453 Cl 17 2-8-7	39.948 Ar 18 2-8-8
4	39.0983 K 19 2-8-8-1	40.08 Ca 20 2-8-8-2	44.9559 Sc 21 2-8-9-2	47.88 Ti 22 2-8-10-2	50.9415 V 23 2-8-11-2	51.996 Cr 24 2-8-13-1	54.9380 Mn 25 2-8-13-2	55.847 Fe 26 2-8-14-2	58.9332 Co 27 2-8-15-2	58.69 Ni 28 2-8-16-2	63.546 Cu 29 2-8-18-1	65.39 Zn 30 2-8-18-2	69.72 Ga 31 2-8-18-3	72.59 Ge 32 2-8-18-4	74.9216 As 33 2-8-18-5	78.96 Se 34 2-8-18-6	79.904 Br 35 2-8-18-7	83.80 Kr 36 2-8-18-8
5	85.4678 Rb 37 2-8-18-8-1	87.62 Sr 38 2-8-18-8-2	88.9059 Y 39 2-8-18-9-2	91.224 Zr 40 2-8-18-10-2	92.9064 Nb 41 2-8-18-12-1	95.94 Mo 42 2-8-18-13-1	(98) Tc 43 2-8-18-14-1	101.07 Ru 44 2-8-18-15-1	102.906 Rh 45 2-8-18-16-1	106.42 Pd 46 2-8-18-18	107.868 Ag 47 2-8-18-18-1	112.41 Cd 48 2-8-18-18-2	114.82 In 49 2-8-18-18-3	118.71 Sn 50 2-8-18-18-4	121.75 Sb 51 2-8-18-18-5	127.60 Te 52 2-8-18-18-6	126.905 I 53 2-8-18-18-7	131.29 Xe 54 2-8-18-18-8
6	132.905 Cs 55 2-8-18-18-8-1	137.33 Ba 56 2-8-18-18-8-2	138.906 La 57 2-8-18-18-9-2	178.49 Hf 72 **18-32-10-2	180.948 Ta 73 -18-32-11-2	183.85 W 74 -18-32-12-2	186.207 Re 75 -18-32-13-2	190.2 Os 76 -18-32-14-2	192.22 Ir 77 -18-32-15-2	195.08 Pt 78 -18-32-17-1	196.967 Au 79 -18-32-18-1	200.59 Hg 80 -18-32-18-2	204.383 Tl 81 -18-32-18-3	207.2 Pb 82 -18-32-18-4	208.980 Bi 83 -18-32-18-5	(209) Po 84 -18-32-18-6	(210) At 85 -18-32-18-7	(222) Rn 86 -18-32-18-8
7	(223) Fr 87 -18-32-18-8-1	226.025 Ra 88 -18-32-18-8-2	227.028 Ac 89 -18-32-18-9-2	(261) Rf 104	(262) Db 105	(263) Sg 106	(264) Bh 107	(265) Hs 108	(268) Mt 109	(269) Uun* 110	(272) Uuu 111	(277) Uub 112		(285) Uuq 114				

KEY

Atomic Mass → 12.0111 ← Selected Oxidation States

Symbol → **C**

Atomic Number → 6

Electron Configuration → 2-4

Relative atomic masses are based on ¹²C = 12.000

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

*The systematic names and symbols for elements of atomic numbers above 109 will be used until the approval of trivial names by IUPAC.

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

140.12 Ce 58	140.908 Pr 59	144.24 Nd 60	(145) Pm 61	150.36 Sm 62	151.96 Eu 63	157.25 Gd 64	158.925 Tb 65	162.50 Dy 66	164.930 Ho 67	167.26 Er 68	168.934 Tm 69	173.04 Yb 70	174.967 Lu 71
232.038 Th 90	231.036 Pa 91	238.029 U 92	237.048 Np 93	(244) Pu 94	(243) Am 95	(247) Cm 96	(247) Bk 97	(251) Cf 98	(252) Es 99	(257) Fm 100	(258) Md 101	(259) No 102	(260) Lr 103