

IUPAC Periodic Table of the Elements

1 1 H hydrogen 1.008 [1.0078, 1.0082]	2 2 He helium 4.0026											13 5 B boron 10.81 [10.806, 10.821]	14 6 C carbon 12.011 [12.009, 12.012]	15 7 N nitrogen 14.007 [14.006, 14.008]	16 8 O oxygen 15.999 [15.999, 16.000]	17 9 F fluorine 18.998	18 10 Ne neon 20.180
3 3 Li lithium 6.94 [6.938, 6.997]	4 4 Be beryllium 9.0122											13 13 Al aluminium 26.982	14 14 Si silicon 28.085 [28.084, 28.086]	15 15 P phosphorus 30.974	16 16 S sulfur 32.06 [32.059, 32.076]	17 17 Cl chlorine 35.45 [35.446, 35.457]	18 18 Ar argon 39.948
11 11 Na sodium 22.990	12 12 Mg magnesium 24.305 [24.304, 24.307]	3	4	5	6	7	8	9	10	11	12	31 31 Ga gallium 69.723	32 32 Ge germanium 72.630(8)	33 33 As arsenic 74.922	34 34 Se selenium 78.971(8)	35 35 Br bromine 79.904 [79.901, 79.907]	36 36 Kr krypton 83.798(2)
19 19 K potassium 39.098	20 20 Ca calcium 40.078(4)	21 21 Sc scandium 44.956	22 22 Ti titanium 47.867	23 23 V vanadium 50.942	24 24 Cr chromium 51.996	25 25 Mn manganese 54.938	26 26 Fe iron 55.845(2)	27 27 Co cobalt 58.933	28 28 Ni nickel 58.693	29 29 Cu copper 63.546(3)	30 30 Zn zinc 65.38(2)	49 49 In indium 114.82	50 50 Sn tin 118.71	51 51 Sb antimony 121.76	52 52 Te tellurium 127.60(3)	53 53 I iodine 126.90	54 54 Xe xenon 131.29
37 37 Rb rubidium 85.468	38 38 Sr strontium 87.62	39 39 Y yttrium 88.906	40 40 Zr zirconium 91.224(2)	41 41 Nb niobium 92.906	42 42 Mo molybdenum 95.95	43 43 Tc technetium	44 44 Ru ruthenium 101.07(2)	45 45 Rh rhodium 102.91	46 46 Pd palladium 106.42	47 47 Ag silver 107.87	48 48 Cd cadmium 112.41	81 81 Tl thallium 204.38 [204.38, 204.39]	82 82 Pb lead 207.2	83 83 Bi bismuth 208.98	84 84 Po polonium	85 85 At astatine	86 86 Rn radon
55 55 Cs caesium 132.91	56 56 Ba barium 137.33	57-71 lanthanoids	72 72 Hf hafnium 178.49(2)	73 73 Ta tantalum 180.95	74 74 W tungsten 183.84	75 75 Re rhenium 186.21	76 76 Os osmium 190.23(3)	77 77 Ir iridium 192.22	78 78 Pt platinum 195.08	79 79 Au gold 196.97	80 80 Hg mercury 200.59	113 113 Nh nihonium	114 114 Fl flerovium	115 115 Mc moscovium	116 116 Lv livermorium	117 117 Ts tennessine	118 118 Og oganesson
87 87 Fr francium	88 88 Ra radium	89-103 actinoids	104 104 Rf rutherfordium	105 105 Db dubnium	106 106 Sg seaborgium	107 107 Bh bohrium	108 108 Hs hassium	109 109 Mt meitnerium	110 110 Ds darmstadtium	111 111 Rg roentgenium	112 112 Cn copernicium						

57 57 La lanthanum 138.91	58 58 Ce cerium 140.12	59 59 Pr praseodymium 140.91	60 60 Nd neodymium 144.24	61 61 Pm promethium	62 62 Sm samarium 150.36(2)	63 63 Eu europium 151.96	64 64 Gd gadolinium 157.25(3)	65 65 Tb terbium 158.93	66 66 Dy dysprosium 162.50	67 67 Ho holmium 164.93	68 68 Er erbium 167.26	69 69 Tm thulium 168.93	70 70 Yb ytterbium 173.05	71 71 Lu lutetium 174.97
89 89 Ac actinium	90 90 Th thorium 232.04	91 91 Pa protactinium 231.04	92 92 U uranium 238.03	93 93 Np neptunium	94 94 Pu plutonium	95 95 Am americium	96 96 Cm curium	97 97 Bk berkelium	98 98 Cf californium	99 99 Es einsteinium	100 100 Fm fermium	101 101 Md mendelevium	102 102 No nobelium	103 103 Lr lawrencium



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