

IUPAC Periodic Table of the Elements

1 H hydrogen 1.0080 ± 0.0002																				2 He helium 4.0026 ± 0.0001															
3 Li lithium 6.94 ± 0.06		4 Be beryllium 9.0122 ± 0.0001		Key: atomic number Symbol name abbreviated standard atomic weight																				13 B boron 10.81 ± 0.02		14 C carbon 12.011 ± 0.002		15 N nitrogen 14.007 ± 0.001		16 O oxygen 15.999 ± 0.001		17 F fluorine 18.998 ± 0.001		18 Ne neon 20.180 ± 0.001	
11 Na sodium 22.990 ± 0.001		12 Mg magnesium 24.305 ± 0.002		3		4		5		6		7		8		9		10		11		12		13 Al aluminium 26.982 ± 0.001		14 Si silicon 28.085 ± 0.001		15 P phosphorus 30.974 ± 0.001		16 S sulfur 32.06 ± 0.02		17 Cl chlorine 35.45 ± 0.01		18 Ar argon 39.95 ± 0.16	
19 K potassium 39.098 ± 0.001		20 Ca calcium 40.078 ± 0.004		21 Sc scandium 44.956 ± 0.001		22 Ti titanium 47.867 ± 0.001		23 V vanadium 50.942 ± 0.001		24 Cr chromium 51.996 ± 0.001		25 Mn manganese 54.938 ± 0.001		26 Fe iron 55.845 ± 0.002		27 Co cobalt 58.933 ± 0.001		28 Ni nickel 58.693 ± 0.001		29 Cu copper 63.546 ± 0.003		30 Zn zinc 65.38 ± 0.02		31 Ga gallium 69.723 ± 0.001		32 Ge germanium 72.630 ± 0.008		33 As arsenic 74.922 ± 0.001		34 Se selenium 78.971 ± 0.008		35 Br bromine 79.904 ± 0.003		36 Kr krypton 83.798 ± 0.002	
37 Rb rubidium 85.468 ± 0.001		38 Sr strontium 87.62 ± 0.01		39 Y yttrium 88.906 ± 0.001		40 Zr zirconium 91.224 ± 0.002		41 Nb niobium 92.906 ± 0.001		42 Mo molybdenum 95.95 ± 0.01		43 Tc technetium [97]		44 Ru ruthenium 101.07 ± 0.02		45 Rh rhodium 102.91 ± 0.01		46 Pd palladium 106.42 ± 0.01		47 Ag silver 107.87 ± 0.001		48 Cd cadmium 112.41 ± 0.01		49 In indium 114.82 ± 0.01		50 Sn tin 118.71 ± 0.01		51 Sb antimony 121.76 ± 0.01		52 Te tellurium 127.60 ± 0.03		53 I iodine 126.90 ± 0.01		54 Xe xenon 131.29 ± 0.01	
55 Cs caesium 132.91 ± 0.01		56 Ba barium 137.33 ± 0.01		57-71 lanthanoids		72 Hf hafnium 178.49 ± 0.01		73 Ta tantalum 180.95 ± 0.01		74 W tungsten 183.84 ± 0.01		75 Re rhenium 186.21 ± 0.01		76 Os osmium 190.23 ± 0.03		77 Ir iridium 192.22 ± 0.01		78 Pt platinum 195.08 ± 0.02		79 Au gold 196.97 ± 0.01		80 Hg mercury 200.59 ± 0.01		81 Tl thallium 204.38 ± 0.01		82 Pb lead 207.2 ± 1.1		83 Bi bismuth 208.98 ± 0.01		84 Po polonium [209]		85 At astatine [210]		86 Rn radon [222]	
87 Fr francium [223]		88 Ra radium [226]		89-103 actinoids		104 Rf rutherfordium [267]		105 Db dubnium [268]		106 Sg seaborgium [269]		107 Bh bohrium [270]		108 Hs hassium [269]		109 Mt meitnerium [277]		110 Ds darmstadtium [281]		111 Rg roentgenium [282]		112 Cn copernicium [285]		113 Nh nihonium [286]		114 Fl flerovium [290]		115 Mc moscovium [290]		116 Lv livermorium [293]		117 Ts tennessine [294]		118 Og oganeson [294]	



57 La lanthanum 138.91 ± 0.01	58 Ce cerium 140.12 ± 0.01	59 Pr praseodymium 140.91 ± 0.01	60 Nd neodymium 144.24 ± 0.01	61 Pm promethium [145]	62 Sm samarium 150.36 ± 0.02	63 Eu europium 151.96 ± 0.01	64 Gd gadolinium 157.25 ± 0.03	65 Tb terbium 158.93 ± 0.01	66 Dy dysprosium 162.50 ± 0.01	67 Ho holmium 164.93 ± 0.01	68 Er erbium 167.26 ± 0.01	69 Tm thulium 168.93 ± 0.01	70 Yb ytterbium 173.05 ± 0.02	71 Lu lutetium 174.97 ± 0.01
89 Ac actinium [227]	90 Th thorium 232.04 ± 0.01	91 Pa protactinium 231.04 ± 0.01	92 U uranium 238.03 ± 0.01	93 Np neptunium [237]	94 Pu plutonium [244]	95 Am americium [243]	96 Cm curium [247]	97 Bk berkelium [247]	98 Cf californium [251]	99 Es einsteinium [252]	100 Fm fermium [257]	101 Md mendelevium [258]	102 No nobelium [259]	103 Lr lawrencium [262]

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