

Periodic Table of the Elements

1 1A 1A 1 H Hydrogen [1.00784;1.00811]	2 IIA 2A 4 Be Beryllium 9.0121831(5)											13 IIIA 3A 5 B Boron [10.806;10.821]	14 IVA 4A 6 C Carbon [12.0096;12.0116]	15 VA 5A 7 N Nitrogen [14.00643;14.00728]	16 VIA 6A 8 O Oxygen [15.99903;15.99977]	17 VIIA 7A 9 F Fluorine 18.998403163(6)	18 VIIIA 8A 2 He Helium 4.002602(2)		
3 Li Lithium [6.938;6.997]	11 Na Sodium 22.98976928(2)	12 Mg Magnesium [24.304;24.307]	3 IIIB 3B 21 Sc Scandium 44.955908(5)	4 IVB 4B 22 Ti Titanium 47.867(1)	5 VB 5B 23 V Vanadium 50.9415(1)	6 VIB 6B 24 Cr Chromium 51.9961(6)	7 VIIB 7B 25 Mn Manganese 54.938045(5)	8 26 Fe Iron 55.845(2)	9 VIII 8 27 Co Cobalt 58.933194(4)	10 28 Ni Nickel 58.6934(4)	11 IB 1B 29 Cu Copper 63.546(3)	12 IIB 2B 30 Zn Zinc 65.38(2)	13 Al Aluminum 26.9815386(8)	14 Si Silicon [28.084;28.086]	15 P Phosphorus 30.973761998(5)	16 S Sulfur [32.059;32.076]	17 Cl Chlorine [35.446;35.457]	18 Ar Argon 39.948(1)	
19 K Potassium 39.0983(1)	20 Ca Calcium 40.078(4)	37 Rb Rubidium 85.4678(3)	38 Sr Strontium 87.62(1)	39 Y Yttrium 88.90584(2)	40 Zr Zirconium 91.224(2)	41 Nb Niobium 92.90637(2)	42 Mo Molybdenum 95.95(1)	43 Tc Technetium <98>	44 Ru Ruthenium 101.07(2)	45 Rh Rhodium 102.90550(2)	46 Pd Palladium 106.42(1)	47 Ag Silver 107.8682(2)	48 Cd Cadmium 112.414(4)	49 In Indium 114.818(1)	50 Sn Tin 118.710(7)	51 Sb Antimony 121.760(1)	52 Te Tellurium 127.60(3)	53 I Iodine 126.90447(3)	54 Xe Xenon 131.293(6)
55 Cs Cesium 132.90545196(6)	56 Ba Barium 137.327(7)	57-71 Lanthanide Series	72 Hf Hafnium 178.49(2)	73 Ta Tantalum 180.94788(2)	74 W Tungsten 183.84(1)	75 Re Rhenium 186.207(1)	76 Os Osmium 190.23(3)	77 Ir Iridium 192.227(3)	78 Pt Platinum 195.084(9)	79 Au Gold 196.966569(5)	80 Hg Mercury 200.592(3)	81 Tl Thallium [204.382;204.385]	82 Pb Lead 207.2(1)	83 Bi Bismuth 208.98040(1)	84 Po Polonium <209>	85 At Astatine <210>	86 Rn Radon <222>		
87 Fr Francium <223>	88 Ra Radium <226>	89-103 Actinide Series	104 Rf Rutherfordium <267>	105 Db Dubnium <268>	106 Sg Seaborgium <271>	107 Bh Bohrium <272>	108 Hs Hassium <270>	109 Mt Meitnerium <276>	110 Ds Darmstadtium <281>	111 Rg Roentgenium <280>	112 Cn Copernicium <285>	113 Uut Ununtrium unknown	114 Fl Flerovium <289>	115 Uup Ununpentium unknown	116 Lv Livermorium <293>	117 Uus Ununseptium unknown	118 Uuo Ununoctium unknown		

Atomic mass values reflect the IUPAC accepted values as of 05/2014.
Masses expressed in [a;b] format show the lower and upper limit of atomic mass depending on the physical and chemical history of the element.
Masses expressed in < > format are the mass numbers of the longest-lived isotope for elements with no stable nucleus.

Atomic Number
Symbol
Name
Atomic Mass

Lanthanide Series

57 La Lanthanum 138.90547(7)	58 Ce Cerium 140.116(1)	59 Pr Praseodymium 140.90766(2)	60 Nd Neodymium 144.242(3)	61 Pm Promethium <145>	62 Sm Samarium 150.36(2)	63 Eu Europium 151.964(1)	64 Gd Gadolinium 157.25(3)	65 Tb Terbium 158.92535(2)	66 Dy Dysprosium 162.500(1)	67 Ho Holmium 164.93033(2)	68 Er Erbium 167.259(3)	69 Tm Thulium 168.93422(2)	70 Yb Ytterbium 173.054(5)	71 Lu Lutetium 174.9668(1)
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Actinide Series

89 Ac Actinium <227>	90 Th Thorium 232.0377(4)	91 Pa Protactinium 231.03588(2)	92 U Uranium 238.02891(3)	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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- Alkali Metal
- Alkaline Earth
- Transition Metal
- Basic Metal
- Semimetal
- Nonmetal
- Halogen
- Noble Gas
- Lanthanide
- Actinide