

Periodic Table of the Elements

Atomic Number
 Symbol
 Name
 Atomic Mass

Atomic mass values reflect the IUPAC accepted values as of 04/2013.

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 isotopes for elements with no stable nucleus.

1 IA 1A																	18 VIIIA 8A			
1 H Hydrogen <small>(1.00784;1.00811)</small>			2 IIA 2A												13 IIIA 3A	14 IVA 4A	15 VA 5A	16 VIA 6A	17 VIIA 7A	2 He Helium <small>(4.002602)</small>
3 Li Lithium <small>(6.938;6.997)</small>	4 Be Beryllium <small>(9.01218315)</small>											5 B Boron <small>(10.806;10.821)</small>	6 C Carbon <small>(12.0096;12.0116)</small>	7 N Nitrogen <small>(14.00643;14.00728)</small>	8 O Oxygen <small>(15.99903;15.99977)</small>	9 F Fluorine <small>(18.9984031636)</small>	10 Ne Neon <small>(20.1797(6))</small>			
11 Na Sodium <small>(22.98976928(2))</small>	12 Mg Magnesium <small>(24.304;24.307)</small>											13 Al Aluminum <small>(26.9815386(8))</small>	14 Si Silicon <small>(28.0858;28.086)</small>	15 P Phosphorus <small>(30.973761998(5))</small>	16 S Sulfur <small>(32.059;32.076)</small>	17 Cl Chlorine <small>(35.446;35.457)</small>	18 Ar Argon <small>(39.948(1))</small>			
19 K Potassium <small>(39.0983(1))</small>	20 Ca Calcium <small>(40.078(4))</small>	21 Sc Scandium <small>(44.955908(3))</small>	22 Ti Titanium <small>(47.867(1))</small>	23 V Vanadium <small>(50.9415(1))</small>	24 Cr Chromium <small>(51.9961(6))</small>	25 Mn Manganese <small>(54.938045(5))</small>	26 Fe Iron <small>(55.845(2))</small>	27 Co Cobalt <small>(58.933194(4))</small>	28 Ni Nickel <small>(58.6934(4))</small>	29 Cu Copper <small>(63.546(3))</small>	30 Zn Zinc <small>(65.38(2))</small>	31 Ga Gallium <small>(69.723(1))</small>	32 Ge Germanium <small>(72.630(8))</small>	33 As Arsenic <small>(74.9216(5))</small>	34 Se Selenium <small>(78.9718(8))</small>	35 Br Bromine <small>(79.90171(6))</small>	36 Kr Krypton <small>(83.798(2))</small>			
37 Rb Rubidium <small>(85.4678(3))</small>	38 Sr Strontium <small>(87.62(1))</small>	39 Y Yttrium <small>(88.90584(2))</small>	40 Zr Zirconium <small>(91.224(2))</small>	41 Nb Niobium <small>(92.90638(2))</small>	42 Mo Molybdenum <small>(95.95(1))</small>	43 Tc Technetium <small><8></small>	44 Ru Ruthenium <small>(101.07(2))</small>	45 Rh Rhodium <small>(102.90550(2))</small>	46 Pd Palladium <small>(106.42(1))</small>	47 Ag Silver <small>(107.8682(2))</small>	48 Cd Cadmium <small>(112.414(4))</small>	49 In Indium <small>(114.818(1))</small>	50 Sn Tin <small>(118.710(7))</small>	51 Sb Antimony <small>(121.760(1))</small>	52 Te Tellurium <small>(127.60(3))</small>	53 I Iodine <small>(126.90447(3))</small>	54 Xe Xenon <small>(131.29(8))</small>			
55 Cs Cesium <small>(132.90545196(6))</small>	56 Ba Barium <small>(137.327(7))</small>	57-71 Lanthanide Series	72 Hf Hafnium <small>(178.49(2))</small>	73 Ta Tantalum <small>(180.94788(2))</small>	74 W Tungsten <small>(183.84(1))</small>	75 Re Rhenium <small>(186.207(1))</small>	76 Os Osmium <small>(190.23(3))</small>	77 Ir Iridium <small>(192.221(3))</small>	78 Pt Platinum <small>(195.084(6))</small>	79 Au Gold <small>(196.966569(5))</small>	80 Hg Mercury <small>(200.59(2))</small>	81 Tl Thallium <small>(204.382;204.385)</small>	82 Pb Lead <small>(207.2(1))</small>	83 Bi Bismuth <small>(208.9804(1))</small>	84 Po Polonium <small><20></small>	85 At Astatine <small><210></small>	86 Rn Radon <small><222></small>			
87 Fr Francium <small><223></small>	88 Ra Radium <small><226></small>	89-103 Actinide Series	104 Rf Rutherfordium <small><261></small>	105 Db Dubnium <small><268></small>	106 Sg Seaborgium <small><271></small>	107 Bh Bohrium <small><272></small>	108 Hs Hassium <small><278></small>	109 Mt Meitnerium <small><278></small>	110 Ds Darmstadtium <small><281></small>	111 Rg Roentgenium <small><288></small>	112 Cn Copernicium <small><285></small>	113 Uut Ununtrium <small>unknown</small>	114 Fl Flerovium <small><289></small>	115 Uup Ununpentium <small>unknown</small>	116 Lv Livermorium <small><293></small>	117 Uus Ununseptium <small>unknown</small>	118 Uuo Ununoctium <small>unknown</small>			
57 La Lanthanum <small>(138.90547(7))</small>	58 Ce Cerium <small>(140.118(1))</small>	59 Pr Praseodymium <small>(140.90766(2))</small>	60 Nd Neodymium <small>(144.242(3))</small>	61 Pm Promethium <small><145></small>	62 Sm Samarium <small>(150.36(2))</small>	63 Eu Europium <small>(151.964(1))</small>	64 Gd Gadolinium <small>(157.25(3))</small>	65 Tb Terbium <small>(158.92535(2))</small>	66 Dy Dysprosium <small>(162.500(1))</small>	67 Ho Holmium <small>(164.93033(2))</small>	68 Er Erbium <small>(167.256(3))</small>	69 Tm Thulium <small>(168.93422(2))</small>	70 Yb Ytterbium <small>(173.054(5))</small>	71 Lu Lutetium <small>(174.967(1))</small>						
89 Ac Actinium <small><227></small>	90 Th Thorium <small>(232.037(1))</small>	91 Pa Protactinium <small>(231.03688(2))</small>	92 U Uranium <small>(238.02891(3))</small>	93 Np Neptunium <small><237></small>	94 Pu Plutonium <small><244></small>	95 Am Americium <small><243></small>	96 Cm Curium <small><247></small>	97 Bk Berkelium <small><247></small>	98 Cf Californium <small><251></small>	99 Es Einsteinium <small><252></small>	100 Fm Fermium <small><257></small>	101 Md Mendelevium <small><258></small>	102 No Nobelium <small><259></small>	103 Lr Lawrencium <small><262></small>						