

# THE PERIODIC TABLE

NAME
DATE

1 <b>H</b> Hydrogen 1.00794(7)(0.00011)	2 <b>He</b> Helium 4.002602(2)
3 <b>Li</b> Lithium 6.941(7)	4 <b>Be</b> Beryllium 9.0121831(5)
11 <b>Na</b> Sodium 22.98976928(2)	12 <b>Mg</b> Magnesium 24.304(2)(0.0002)
19 <b>K</b> Potassium 39.0983(1)	20 <b>Ca</b> Calcium 40.078(4)
37 <b>Rb</b> Rubidium 85.4678(3)	38 <b>Sr</b> Strontium 87.62(1)
55 <b>Cs</b> Cesium 132.90545196(9)	56 <b>Ba</b> Barium 137.327(7)
87 <b>Fr</b> Francium <22>	88 <b>Ra</b> Radium <22>
21 <b>Sc</b> Scandium 44.955912(6)	22 <b>Ti</b> Titanium 47.88(7)(1)
39 <b>Y</b> Yttrium 88.90584(2)	40 <b>Zr</b> Zirconium 91.224(2)
72 <b>Hf</b> Hafnium 178.49(2)	73 <b>Ta</b> Tantalum 180.94788(2)
104 <b>Rf</b> Rutherfordium <25>	105 <b>Db</b> Dubnium <28>
89-103	106 <b>Sg</b> Seaborgium <27>
23 <b>V</b> Vanadium 50.9415(1)	24 <b>Cr</b> Chromium 51.9961(6)
41 <b>Nb</b> Niobium 92.90638(2)	42 <b>Mo</b> Molybdenum 95.95(1)
74 <b>W</b> Tungsten 183.84(1)	75 <b>Re</b> Rhenium 186.207(1)
107 <b>Bh</b> Bohrium <27>	108 <b>Hs</b> Hassium <27>
25 <b>Mn</b> Manganese 54.938045(5)	26 <b>Fe</b> Iron 55.845(2)
43 <b>Tc</b> Technetium <8>	44 <b>Ru</b> Ruthenium 91.07(2)
76 <b>Os</b> Osmium 190.23(3)	77 <b>Ir</b> Iridium 192.22(3)
109 <b>Mt</b> Meitnerium <27>	110 <b>Ds</b> Darmstadtium <28>
27 <b>Co</b> Cobalt 58.933194(4)	28 <b>Ni</b> Nickel 58.6934(4)
45 <b>Rh</b> Rhodium 102.90550(2)	46 <b>Pd</b> Palladium 106.42(1)
78 <b>Pt</b> Platinum 195.084(8)	79 <b>Au</b> Gold 196.966569(6)
111 <b>Rg</b> Roentgenium <28>	112 <b>Cn</b> Copernicium <28>
29 <b>Cu</b> Copper 63.546(3)	30 <b>Zn</b> Zinc 65.38(2)
47 <b>Ag</b> Silver 107.8682(2)	48 <b>Cd</b> Cadmium 112.411(6)
80 <b>Hg</b> Mercury 200.59(2)	81 <b>Tl</b> Thallium 204.3872(1)(3.85)
113 <b>Uut</b> Ununtrium unknown	114 <b>F1</b> Flerovium <28>
31 <b>Al</b> Aluminum 26.9815386(8)	32 <b>Ge</b> Germanium 72.630(8)
49 <b>In</b> Indium 114.818(1)	50 <b>Sn</b> Tin 118.710(7)
82 <b>Pb</b> Lead 207.2(1)	83 <b>Bi</b> Bismuth 208.9804(1)
115 <b>Uup</b> Ununpentium unknown	116 <b>Lv</b> Livermorium <28>
6 <b>C</b> Carbon 12.0107(8)(1.20146)	7 <b>N</b> Nitrogen 14.00643(4)(0.00028)
14 <b>Si</b> Silicon 28.0855(8)	15 <b>P</b> Phosphorus 30.973761998(5)
32 <b>Ge</b> Germanium 72.630(8)	33 <b>As</b> Arsenic 74.921595(6)
50 <b>Sn</b> Tin 118.710(7)	51 <b>Sb</b> Antimony 121.760(1)
82 <b>Pb</b> Lead 207.2(1)	83 <b>Bi</b> Bismuth 208.9804(1)
114 <b>F1</b> Flerovium <28>	115 <b>Uup</b> Ununpentium unknown
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14 <b>Si</b> Silicon 28.0855(8)	15 <b>P</b> Phosphorus 30.973761998(5)
32 <b>Ge</b> Germanium 72.630(8)	33 <b>As</b> Arsenic 74.921595(6)
50 <b>Sn</b> Tin 118.710(7)	51 <b>Sb</b> Antimony 121.760(1)
82 <b>Pb</b> Lead 207.2(1)	83 <b>Bi</b> Bismuth 208.9804(1)
114 <b>F1</b> Flerovium <28>	115 <b>Uup</b> Ununpentium unknown
8 <b>O</b> Oxygen 15.999(3)(15.9927)	9 <b>F</b> Fluorine 18.998403163(6)
16 <b>S</b> Sulfur 32.06(5)(2.79)	17 <b>Cl</b> Chlorine 35.448(2)(0.0003)
34 <b>Se</b> Selenium 78.9718(8)	35 <b>Br</b> Bromine 79.904(1)(0.00017)
52 <b>Te</b> Tellurium 127.603(3)	53 <b>I</b> Iodine 126.90447(3)
84 <b>Po</b> Polonium <29>	85 <b>At</b> Astatine <29>
116 <b>Lv</b> Livermorium <28>	117 <b>Uus</b> Ununseptium unknown
10 <b>Ne</b> Neon 20.1797(6)	11 <b>Ar</b> Argon 39.948(1)
18 <b>Ar</b> Argon 39.948(1)	19 <b>Kr</b> Krypton 83.798(2)
36 <b>Kr</b> Krypton 83.798(2)	37 <b>Xe</b> Xenon 131.29(6)
54 <b>Xe</b> Xenon 131.29(6)	55 <b>Rn</b> Radon <29>
86 <b>Rn</b> Radon <29>	87 <b>Uuo</b> Ununoctium unknown

Atomic Number  
Symbol  
Name  
Atomic Mass

57 <b>La</b> Lanthanum 138.90547(7)	58 <b>Ce</b> Cerium 140.116(1)	59 <b>Pr</b> Praseodymium 140.90766(2)	60 <b>Nd</b> Neodymium 144.242(3)	61 <b>Pm</b> Promethium <148>	62 <b>Sm</b> Samarium 150.36(2)	63 <b>Eu</b> Europium 151.964(1)	64 <b>Gd</b> Gadolinium 157.25(3)	65 <b>Tb</b> Terbium 158.92535(2)	66 <b>Dy</b> Dysprosium 162.500(1)	67 <b>Ho</b> Holmium 164.93032(2)	68 <b>Er</b> Erbium 167.258(3)	69 <b>Tm</b> Thulium 168.93422(2)	70 <b>Yb</b> Ytterbium 173.054(8)	71 <b>Lu</b> Lutetium 174.967(1)
89 <b>Ac</b> Actinium <27>	90 <b>Th</b> Thorium 232.0371(6)	91 <b>Pa</b> Protactinium 231.03688(2)	92 <b>U</b> Uranium 238.02891(3)	93 <b>Np</b> Neptunium <27>	94 <b>Pu</b> Plutonium <244>	95 <b>Am</b> Americium <143>	96 <b>Cm</b> Curium <147>	97 <b>Bk</b> Berkelium <147>	98 <b>Cf</b> Californium <281>	99 <b>Es</b> Einsteinium <282>	100 <b>Fm</b> Fermium <287>	101 <b>Md</b> Mendelevium <288>	102 <b>No</b> Nobelium <289>	103 <b>Lr</b> Lawrencium <262>