

1.008665 0 neutron <b>n</b>	1.00797 1 hydrogen <b>H</b>	1.008665 0 neutron
4.0026 2 helium <b>He</b>		4.0026 2 helium
20.1797 10 neon <b>Ne</b>		20.1797 10 neon
39.948 18 argon <b>Ar</b>		39.948 18 argon
83.8 36 krypton <b>Kr</b>		83.8 36 krypton
131.29 54 xenon <b>Xe</b>		131.29 54 xenon
222 86 radon <b>Rn</b>		222 86 radon
294 118 oganeson <b>Og</b>		294 118 oganeson

4.0026 2 helium <b>He</b>	6.941 3 lithium <b>Li</b>	9.01218 4 beryllium <b>Be</b>	10.811 5 boron <b>B</b>	12.011 6 carbon <b>C</b>	14.0067 7 nitrogen <b>N</b>	15.9994 8 oxygen <b>O</b>	18.9984 9 fluorine <b>F</b>
20.1797 10 neon <b>Ne</b>	22.98977 11 sodium <b>Na</b>	24.305 12 magnesium <b>Mg</b>	26.98154 13 aluminum <b>Al</b>	28.0855 14 silicon <b>Si</b>	30.97376 15 phosphorus <b>P</b>	32.066 16 sulfur <b>S</b>	35.4527 17 chlorine <b>Cl</b>
39.948 18 argon <b>Ar</b>	39.0983 19 potassium <b>K</b>	40.078 20 calcium <b>Ca</b>		72.61 32 germanium <b>Ge</b>	74.9216 33 arsenic <b>As</b>	78.96 34 selenium <b>Se</b>	79.904 35 bromine <b>Br</b>
83.8 36 krypton <b>Kr</b>	85.4678 37 rubidium <b>Rb</b>	87.62 38 strontium <b>Sr</b>		118.71 50 tin <b>Sn</b>	121.757 51 antimony <b>Sb</b>	127.6 52 tellurium <b>Te</b>	126.9045 53 iodine <b>I</b>
131.29 54 xenon <b>Xe</b>	132.9054 55 cesium <b>Cs</b>	137.33 56 barium <b>Ba</b>		207.2 82 lead <b>Pb</b>	208.9804 83 bismuth <b>Bi</b>	209 84 polonium <b>Po</b>	210 85 astatine <b>At</b>
222 86 radon <b>Rn</b>	223 87 francium <b>Fr</b>	226.0254 88 radium <b>Ra</b>		289 114 flerovium <b>Fl</b>	288 115 moscovium <b>Mc</b>	293 116 livermorium <b>Lv</b>	294 117 tennessine <b>Ts</b>
294 118 oganeson <b>Og</b>							

137.33 <b>Ba</b> 56 barium	138.9055 <b>La</b> 57 lanthanum	140.12 <b>Ce</b> 58 cerium	140.9077 <b>Pr</b> 59 praseodymium	144.24 <b>Nd</b> 60 neodymium	145 <b>Pm</b> 61 promethium	150.36 <b>Sm</b> 62 samarium	151.965 <b>Eu</b> 63 europium	157.25 <b>Gd</b> 64 gadolinium	158.9253 <b>Tb</b> 65 terbium	162.5 <b>Dy</b> 66 dysprosium	164.9303 <b>Ho</b> 67 holmium	167.26 <b>Er</b> 68 erbium	168.9342 <b>Tm</b> 69 thulium	173.04 <b>Yb</b> 70 ytterbium	174.967 <b>Lu</b> 71 lutetium	178.49 <b>Hf</b> 72 hafnium
226.0254 <b>Ra</b> 88 radium	227 <b>Ac</b> 89 actinium	232.0381 <b>Th</b> 90 thorium	231.0359 <b>Pa</b> 91 protactinium	238.029 <b>U</b> 92 uranium	237.0482 <b>Np</b> 93 neptunium	244 <b>Pu</b> 94 plutonium	243 <b>Am</b> 95 americium	247 <b>Cm</b> 96 curium	247 <b>Bk</b> 97 berkelium	251 <b>Cf</b> 98 californium	252 <b>Es</b> 99 einsteinium	257 <b>Fm</b> 100 fermium	258 <b>Md</b> 101 mendelevium	259 <b>No</b> 102 nobelium	260 <b>Lr</b> 103 lawrencium	267 <b>Rf</b> 104 rutherfordium

40.078 <b>Ca</b> 20 calcium	44.9559 <b>Sc</b> 21 scandium	47.88 <b>Ti</b> 22 titanium	50.9415 <b>V</b> 23 vanadium	51.996 <b>Cr</b> 24 chromium	54.938 <b>Mn</b> 25 manganese	55.847 <b>Fe</b> 26 iron	58.9332 <b>Co</b> 27 cobalt	58.6934 <b>Ni</b> 28 nickel	63.456 <b>Cu</b> 29 copper	65.39 <b>Zn</b> 30 zinc	69.723 <b>Ga</b> 31 gallium	72.61 <b>Ge</b> 32 germanium
87.62 <b>Sr</b> 38 strontium	88.9059 <b>Y</b> 39 yttrium	91.224 <b>Zr</b> 40 zirconium	92.9064 <b>Nb</b> 41 niobium	95.94 <b>Mo</b> 42 molybdenum	98 <b>Tc</b> 43 technetium	101.07 <b>Ru</b> 44 ruthenium	102.9055 <b>Rh</b> 45 rhodium	106.42 <b>Pd</b> 46 palladium	107.868 <b>Ag</b> 47 silver	112.41 <b>Cd</b> 48 cadmium	114.82 <b>In</b> 49 indium	118.71 <b>Sn</b> 50 tin
137.33 <b>Ba</b> 56 barium		178.49 <b>Hf</b> 72 hafnium	180.9479 <b>Ta</b> 73 tantalum	183.85 <b>W</b> 74 tungsten	186.207 <b>Re</b> 75 rhenium	190.2 <b>Os</b> 76 osmium	192.22 <b>Ir</b> 77 iridium	195.08 <b>Pt</b> 78 platinum	196.9665 <b>Au</b> 79 gold	200.59 <b>Hg</b> 80 mercury	204.383 <b>Tl</b> 81 thallium	207.2 <b>Pb</b> 82 lead
226.0254 <b>Ra</b> 88 radium		267 <b>Rf</b> 104 rutherfordium	268 <b>Db</b> 105 dubnium	271 <b>Sg</b> 106 seaborgium	272 <b>Bh</b> 107 bohrium	270 <b>Hs</b> 108 hassium	276 <b>Mt</b> 109 meitnerium	281 <b>Ds</b> 110 darmstadtium	280 <b>Rg</b> 111 roentgenium	285 <b>Cn</b> 112 copernicium	284 <b>Nh</b> 113 nihonium	289 <b>Fl</b> 114 flerovium