

# The Periodic Table of Elements

1	2	3	4	5	6	7	8 (18)										
6.9 <b>Li</b> lithium 3	9.0 <b>Be</b> beryllium 4	11 <b>Na</b> sodium	12 <b>Mg</b> magnesium	13 <b>Al</b> aluminium	14 <b>Si</b> silicon	15 <b>P</b> phosphorus	16 <b>S</b> sulfur	17 <b>Cl</b> chlorine	18 <b>Ar</b> argon								
19 <b>K</b> potassium	20 <b>Ca</b> calcium	21 <b>Sc</b> scandium	22 <b>Ti</b> titanium	23 <b>V</b> vanadium	24 <b>Cr</b> chromium	25 <b>Mn</b> manganese	26 <b>Fe</b> iron	27 <b>Co</b> cobalt	28 <b>Ni</b> nickel	29 <b>Cu</b> copper	30 <b>Zn</b> zinc	31 <b>Ga</b> gallium	32 <b>Ge</b> germanium	33 <b>As</b> arsenic	34 <b>Se</b> selenium	35 <b>Br</b> bromine	36 <b>Kr</b> krypton
37 <b>Rb</b> rubidium	38 <b>Sr</b> strontium	39 <b>Y</b> yttrium	40 <b>Zr</b> zirconium	41 <b>Nb</b> niobium	42 <b>Mo</b> molybdenum	43 <b>Tc</b> technetium	44 <b>Ru</b> ruthenium	45 <b>Rh</b> rhodium	46 <b>Pd</b> palladium	47 <b>Ag</b> silver	48 <b>Cd</b> cadmium	49 <b>In</b> indium	50 <b>Sn</b> tin	51 <b>Sb</b> antimony	52 <b>Te</b> tellurium	53 <b>I</b> iodine	54 <b>Xe</b> xenon
55 <b>Cs</b> caesium	56 <b>Ba</b> barium	57 <b>La*</b> lanthanum	72 <b>Hf</b> hafnium	73 <b>Ta</b> tantalum	74 <b>W</b> tungsten	75 <b>Re</b> rhenium	76 <b>Os</b> osmium	77 <b>Ir</b> iridium	78 <b>Pt</b> platinum	79 <b>Au</b> gold	80 <b>Hg</b> mercury	81 <b>Tl</b> thallium	82 <b>Pb</b> lead	83 <b>Bi</b> bismuth	84 <b>Po</b> polonium	85 <b>At</b> astatine	86 <b>Rn</b> radon
87 <b>Fr</b> francium	88 <b>Ra</b> radium	89 <b>Ac*</b> actinium	104 <b>Rf</b> rutherfordium	105 <b>Db</b> dubnium	106 <b>Sg</b> seaborgium	107 <b>Bh</b> bohrium	108 <b>Hs</b> hassium	109 <b>Mt</b> meitnerium	110 <b>Ds</b> darmstadtium	111 <b>Rg</b> roentgenium	Elements with atomic numbers 112-116 have been reported but not fully authenticated						
* Lanthanide series		140 <b>Ce</b> cerium		141 <b>Pr</b> praseodymium	144 <b>Nd</b> neodymium	147 <b>Pm</b> promethium	150 <b>Sm</b> samarium	152 <b>Eu</b> europium	157 <b>Gd</b> gadolinium	159 <b>Tb</b> terbium	163 <b>Dy</b> dysprosium	165 <b>Ho</b> holmium	167 <b>Er</b> erbium	169 <b>Tm</b> thulium	173 <b>Yb</b> ytterbium	175 <b>Lu</b> lutetium	
* Actinide series		232 <b>Th</b> thorium		231 <b>Pa</b> protactinium	238 <b>U</b> uranium	237 <b>Np</b> neptunium	242 <b>Pu</b> plutonium	243 <b>Am</b> americium	247 <b>Cm</b> curium	245 <b>Bk</b> berkelium	251 <b>Cf</b> californium	254 <b>Es</b> einsteinium	253 <b>Fm</b> fermium	256 <b>Md</b> mendelevium	254 <b>No</b> nobelium	257 <b>Lr</b> lawrencium	103

1.0 <b>H</b> hydrogen 1
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relative atomic mass
<b>atomic symbol</b>
name
atomic (proton) number

Key

(1) (2)

(13) (14) (15) (16) (17) (18)

(12) (11) (10) (9) (8) (7) (6) (5) (4) (3)