

Periodic Table of the Elements

1 hydrogen 1 H 1.0079																	18 helium 2 He 4.0026	
3 lithium Li 6.941	4 beryllium Be 9.0122											13 boron B 10.811	14 carbon C 12.011	15 nitrogen N 14.007	16 oxygen O 15.999	17 fluorine F 18.998	10 neon Ne 20.180	
11 sodium Na 22.990	12 magnesium Mg 24.305											13 aluminum Al 26.982	14 silicon Si 28.086	15 phosphorus P 30.974	16 sulfur S 32.065	17 chlorine Cl 35.453	18 argon Ar 39.948	
19 potassium K 39.098	20 calcium Ca 40.078	3 scandium Sc 44.956	4 titanium Ti 47.867	5 vanadium V 50.942	6 chromium Cr 51.996	7 manganese Mn 54.938	8 iron Fe 55.845	9 cobalt Co 58.933	10 nickel Ni 58.693	11 copper Cu 63.546	12 zinc Zn 65.39	31 gallium Ga 69.723	32 germanium Ge 72.61	33 arsenic As 74.922	34 selenium Se 78.96	35 bromine Br 79.904	36 krypton Kr 83.80	
37 rubidium Rb 85.468	38 strontium Sr 87.62	39 yttrium Y 88.906	40 zirconium Zr 91.224	41 niobium Nb 92.906	42 molybdenum Mo 95.94	43 technetium Tc [98]	44 ruthenium Ru 101.07	45 rhodium Rh 102.91	46 palladium Pd 106.42	47 silver Ag 107.87	48 cadmium Cd 112.41	49 indium In 114.82	50 tin Sn 118.71	51 antimony Sb 121.76	52 tellurium Te 127.60	53 iodine I 126.90	54 xenon Xe 131.29	
55 caesium Cs 132.91	56 barium Ba 137.33	57-70 lanthanide series	71 lutetium Lu 174.97	72 hafnium Hf 178.49	73 tantalum Ta 180.95	74 tungsten W 183.84	75 rhenium Re 186.21	76 osmium Os 190.23	77 iridium Ir 192.22	78 platinum Pt 195.08	79 gold Au 196.97	80 mercury Hg 200.59	81 thallium Tl 204.38	82 lead Pb 207.2	83 bismuth Bi 208.98	84 polonium Po [209]	85 astatine At [210]	86 radon Rn [222]
87 francium Fr [223]	88 radium Ra [226]	89-102 actinide series	103 lawrencium Lr [262]	104 rutherfordium Rf [261]	105 dubnium Db [262]	106 seaborgium Sg [266]	107 bohrium Bh [264]	108 hassium Hs [269]	109 meitnerium Mt [268]	110 darmstadtium Ds [271]	111 roentgenium Rg [272]	112 unbinilium Uub [277]	113 ununilium Uut [284]	114 ununquadium Uuq [289]	115 ununpentium Uup [288]	116 ununhexium Uuh [292]	117 ununseptium Uus [291]	118 ununoctium Uuo [294]

■ Lanthanide series

■ Actinide series

lanthanum 57 La 138.91	cerium 58 Ce 140.12	praseodymium 59 Pr 140.91	neodymium 60 Nd 144.24	promethium 61 Pm [145]	samarium 62 Sm 150.36	europium 63 Eu 151.96	gadolinium 64 Gd 157.25	terbium 65 Tb 158.93	dysprosium 66 Dy 162.50	holmium 67 Ho 164.93	erbium 68 Er 167.26	thulium 69 Tm 168.93	ytterbium 70 Yb 173.04
actinium 89 Ac [227]	thorium 90 Th 232.04	protactinium 91 Pa 231.04	uranium 92 U 238.03	neptunium 93 Np [237]	plutonium 94 Pu [244]	americium 95 Am [243]	curium 96 Cm [247]	berkelium 97 Bk [247]	californium 98 Cf [251]	einsteinium 99 Es [252]	fermium 100 Fm [257]	mendelevium 101 Md [258]	nobelium 102 No [259]