

IA																				Noble Gases	
1 Hydrogen H 1.0079	IIA																				2 Helium He 4.00260
3 Lithium Li 6.941	4 Beryllium Be 9.01218											5 Boron B 10.81	6 Carbon C 12.011	7 Nitrogen N 14.0067	8 Oxygen O 15.9994	9 Fluorine F 18.998403	10 Neon Ne 20.179				
11 Sodium Na 22.98977	12 Magnesium Mg 24.305	III A	IVA	V A	VIA	VII A	VIII A					IB	IIB	13 Aluminum Al 26.98154	14 Silicon Si 28.0866	15 Phosphorus P 30.97376	16 Sulphur S 32.06	17 Chlorine Cl 35.453	18 Argon Ar 39.948		
19 Potassium K 39.0983	20 Calcium Ca 40.08	21 Scandium Sc 44.9559	22 Titanium Ti 47.90	23 Vanadium V 50.9414	24 Chromium Cr 51.996	25 Manganese Mn 54.9380	26 Iron Fe 55.847	27 Cobalt Co 58.9332	28 Nickel Ni 58.70	29 Copper Cu 63.546	30 Zinc Zn 65.38	31 Gallium Ga 69.72	32 Germanium Ge 72.59	33 Arsenic As 74.9216	34 Selenium Se 78.96	35 Bromine Br 79.904	36 Krypton Kr 83.88				
37 Rubidium Rb 85.4678	38 Strontium Sr 87.62	39 Yttrium Y 88.9089	40 Zirconium Zr 91.22	41 Niobium Nb 92.9064	42 Molybdenum Mo 95.94	43 Technetium Tc (97)	44 Ruthenium Ru 101.07	45 Rhodium Rh 102.9065	46 Palladium Pd 106.4	47 Silver Ag 107.868	48 Cadmium Cd 112.41	49 Indium In 114.82	50 Tin Sn 118.69	51 Antimony Sb 121.75	52 Tellurium Te 127.60	53 Iodine I 126.9045	54 Xenon Xe 131.30				
55 Cesium Cs 132.9054	56 Barium Ba 137.33	57 Lanthanum La 138.9055	72 Hafnium Hf 178.49	73 Tantalum Ta 180.9479	74 Tungsten W 183.85	75 Rhenium Re 186.207	76 Osmium Os 190.2	77 Iridium Ir 192.22	78 Platinum Pt 195.09	79 Gold Au 196.9665	80 Mercury Hg 200.59	81 Thallium Tl 204.37	82 Lead Pb 207.2	83 Bismuth Bi 208.9804	84 Polonium Po (209)	85 Astatine At (210)	86 Radon Rn (222)				
87 Francium Fr (223)	88 Radium Ra 226.0254	89 Actinium Ac (227)	104 Rutherfordium Rf (261)	105 Dubnium Db (262)	106 Seaborgium Sg (263)	107 Bohrium Bh (262)	108 Hassium Hs 277	109 Meitnerium Mt 276	110 Darmstadtium Ds 281	111 Roentgenium Rg 280	112 Ununbium Uub 285	113 Ununtrium Uut 284	114 Ununquadium Uuq 289	115 Ununpentium Uup 288	116 Ununhexium Uuh 293		118 Ununoctium Uuo 294				

Lanthanides

58 Cerium Ce 140.12	59 Praseodymium Pr 140.9077	60 Neodymium Nd 144.24	61 Promethium Pm (147)	62 Samarium Sm 150.4	63 Europium Eu 151.98	64 Gadolinium Gd 157.25	65 Terbium Tb 158.9254	66 Dysprosium Dy 162.50	67 Holmium Ho 164.9304	68 Erbium Er 167.26	69 Thulium Tm 168.9342	70 Ytterbium Yb 173.04	71 Lutetium Lu 174.97
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Actinides

90 Thorium Th 232.0381	91 Protactinium Pa 231.0359	92 Uranium U 238.029	93 Neptunium Np 237.0482	94 Plutonium Pu (244)	95 Americium Am (243)	96 Curium Cm (247)	97 Berkelium Bk (247)	98 Californium Cf (251)	99 Einsteinium Es (254)	100 Fermium Fm (257)	101 Mendelevium Md (258)	102 Nobelium No (259)	103 Lawrencium Lr (260)
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