



Periodic Table of the Elements

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	Alkali metals		Halogens
	Alkaline earth metals		Noble gases
	Transition metals		Lanthanides
	Other metals		Actinides
	Other non-metals		

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Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H 1.00794 Hydrogen																	He 4.00260 Helium
2	Li 6.941 Lithium	Be 9.01218 Beryllium											B 10.811 Boron	C 12.0107 Carbon	N 14.0067 Nitrogen	O 15.9994 Oxygen	F 18.99840 Fluorine	Ne 20.1797 Neon
3	Na 22.98977 Sodium	Mg 24.3050 Magnesium											Al 26.98154 Aluminum	Si 28.0855 Silicon	P 30.97376 Phosphorus	S 32.065 Sulfur	Cl 35.453 Chlorine	Ar 39.948 Argon
4	K 39.0983 Potassium	Ca 40.078 Calcium	Sc 44.95591 Scandium	Ti 47.867 Titanium	V 50.9415 Vanadium	Cr 51.9961 Chromium	Mn 54.93805 Manganese	Fe 55.845 Iron	Co 58.93320 Cobalt	Ni 58.6934 Nickel	Cu 63.546 Copper	Zn 65.38 Zinc	Ga 69.723 Gallium	Ge 72.64 Germanium	As 74.92160 Arsenic	Se 78.96 Selenium	Br 79.904 Bromine	Kr 83.798 Krypton
5	Rb 85.4678 Rubidium	Sr 87.62 Strontium	Y 88.90585 Yttrium	Zr 91.224 Zirconium	Nb 92.90638 Niobium	Mo 95.96 Molybdenum	Tc [98] Technetium	Ru 101.07 Ruthenium	Rh 102.90550 Rhodium	Pd 106.42 Palladium	Ag 107.8682 Silver	Cd 112.411 Cadmium	In 114.818 Indium	Sn 118.710 Tin	Sb 121.760 Antimony	Te 127.60 Tellurium	I 126.90447 Iodine	Xe 131.293 Xenon
6	Cs 132.90545 Cesium	Ba 137.327 Barium	La-Lu [57-71] *	Hf 178.49 Hafnium	Ta 180.94788 Tantalum	W 183.84 Tungsten	Re 186.207 Rhenium	Os 190.23 Osmium	Ir 192.217 Iridium	Pt 195.084 Platinum	Au 196.96657 Gold	Hg 200.59 Mercury	Tl 204.383 Thallium	Pb 207.2 Lead	Bi 208.98040 Bismuth	Po [209] Polonium	At [210] Astatine	Rn [222] Radon
7	Fr [223] Francium	Ra [226] Radium	Ac-Lr [89-103] **	Rf [267] Rutherfordium	Db [268] Dubnium	Sg [271] Seaborgium	Bh [272] Bohrium	Hs [270] Hassium	Mt [276] Meitnerium	Ds [281] Darmstadtium	Rg [280] Roentgenium	Uub [285] Ununbium	Uut [284] Ununtrium	Uuq [289] Ununquadium	Uup [288] Ununpentium	Uuh [293] Ununhexium		Uuo [294] Ununoctium
				La 138.90547 Lanthanum	Ce 140.116 Cerium	Pr 140.90765 Praseodymium	Nd 144.242 Neodymium	Pm [145] Promethium	Sm 150.36 Samarium	Eu 151.964 Europium	Gd 157.25 Gadolinium	Tb 158.92535 Terbium	Dy 162.500 Dysprosium	Ho 164.93032 Holmium	Er 167.259 Erbium	Tm 168.93421 Thulium	Yb 173.054 Ytterbium	Lu 174.9668 Lutetium
				Ac [227] Actinium	Th 232.03806 Thorium	Pa 231.03588 Protactinium	U 238.02891 Uranium	Np [237] Neptunium	Pu [244] Plutonium	Am [243] Americium	Cm [247] Curium	Bk [247] Berkelium	Cf [251] Californium	Es [252] Einsteinium	Fm [257] Fermium	Md [258] Mendelevium	No [259] Nobelium	Lr [262] Lawrencium