



# Periodic Table of the Elements



Group 1

18

1	2	3	4	5	6	7	8	9	10	11	12
1 2.20 <b>H</b> hydrogen 1.008	2 0.98 <b>Li</b> lithium 6.9675	3 0.93 <b>Na</b> sodium 22.99	4 1.57 <b>Be</b> beryllium 9.0122	5 1.63 <b>V</b> vanadium 50.942	6 1.66 <b>Cr</b> chromium 51.996	7 1.55 <b>Mn</b> manganese 54.938	8 1.83 <b>Fe</b> iron 55.845	9 1.88 <b>Co</b> cobalt 58.933	10 1.91 <b>Ni</b> nickel 58.693	11 1.90 <b>Cu</b> copper 63.546	12 1.65 <b>Zn</b> zinc 65.38
11 0.82 <b>Rb</b> rubidium 85.468	12 1.31 <b>Na</b> sodium 22.99	13 1.22 <b>Y</b> yttrium 88.906	14 1.33 <b>Zr</b> zirconium 91.224	15 1.6 <b>Nb</b> niobium 92.906	16 2.16 <b>Mo</b> molybdenum 95.95	17 1.9 <b>Tc</b> technetium (97)	18 2.2 <b>Ru</b> ruthenium 101.07	19 2.28 <b>Rh</b> rhodium 102.91	20 2.2 <b>Pd</b> palladium 106.42	21 1.93 <b>Ag</b> silver 107.87	22 1.69 <b>Cd</b> cadmium 112.41
55 0.79 <b>Cs</b> caesium 132.91	56 0.89 <b>Ba</b> barium 137.33	57 0.82 <b>La</b> lanthanum 138.91	58 1.3 <b>Hf</b> hafnium 178.49	59 1.5 <b>Ta</b> tantalum 180.95	60 2.36 <b>W</b> tungsten 183.84	61 1.9 <b>Re</b> rhenium 186.21	62 2.2 <b>Os</b> osmium 190.23	63 2.2 <b>Ir</b> iridium 192.22	64 2.28 <b>Pt</b> platinum 195.08	65 2.54 <b>Au</b> gold 196.97	66 1.9 <b>Hg</b> mercury 200.59
87 0.9 <b>Fr</b> francium (223)	88 0.9 <b>Ra</b> radium (226)	89 1.1 <b>Ac</b> actinium (227)	90 1.3 <b>Rf</b> rutherfordium (267)	91 1.5 <b>Db</b> dubnium (268)	92 2.6 <b>Sg</b> seaborgium (269)	93 1.6 <b>Bh</b> bohrium (270)	94 2.2 <b>Hs</b> hassium (269)	95 2.2 <b>Mt</b> meitnerium (278)	96 2.28 <b>Ds</b> darmstadtium (281)	97 2.54 <b>Rg</b> roentgenium (282)	98 1.9 <b>Cn</b> copernicium (285)

Z	X	ss
		<b>Sy</b>
		element saw



Z: atomic number  
X: Pauling electronegativity  
ss: last occupied subshell  
Sy: symbol  
element: element name  
saw: standard atomic weight†

2		1s		17		16		15		14		13	
He helium 4.0026													
10		Ne		F		O		N		C		B	
neon 20.18		fluorine 18.998		oxygen 15.9995		nitrogen 14.007		carbon 12.0105		boron 10.8135			
18		Ar		Cl		S		P		Si		Al	
argon 39.8775		chlorine 35.4515		sulfur 32.0675		phosphorus 30.974		silicon 28.085		aluminum 26.982			
36		Kr		Br		Se		As		Ge		Ga	
krypton 83.798		bromine 79.904		selenium 78.971		arsenic 74.922		germanium 72.63		gallium 69.723			
54		Xe		I		Te		Sb		Sn		In	
xenon 131.29		iodine 126.9		tellurium 127.6		antimony 121.76		tin 118.71		indium 114.82			
86		Rn		At		Po		Bi		Pb		Tl	
radon (222)		astatine (210)		polonium (209)		bismuth 208.98		lead 207.2		thallium 204.385			
118		Og		Ts		Lv		Mc		Fl		Nh	
oganeson (294)		tennessine (294)		livermorium (293)		moscovium (290)		flerovium (289)		nihonium (286)			