

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
hydrogen 1 H 1.0079																	helium 2 He 4.0026	
lithium 3 Li 6.9412	beryllium 4 Be 9.0122	element name atomic number element symbol atomic weight										boron 5 B 10.8117	carbon 6 C 12.0107	nitrogen 7 N 14.0067	oxygen 8 O 15.9994	fluorine 9 F 18.9984	neon 10 Ne 20.1797	
sodium 11 Na 22.9898	magnesium 12 Mg 24.3056											aluminium 13 Al 26.9815	silicon 14 Si 28.0855	phosphorus 15 P 30.9738	sulphur 16 S 32.0666	chlorine 17 Cl 35.4528	argon 18 Ar 39.9481	
potassium 19 K 39.0983	calcium 20 Ca 40.0784	scandium 21 Sc 44.9559	titanium 22 Ti 47.8671	vanadium 23 V 50.9415	chromium 24 Cr 51.9962	manganese 25 Mn 54.9380	iron 26 Fe 55.8452	cobalt 27 Co 58.9332	nickel 28 Ni 58.6934	copper 29 Cu 63.5463	zinc 30 Zn 65.3920	gallium 31 Ga 69.7231	germanium 32 Ge 72.6120	arsenic 33 As 74.9216	selenium 34 Se 78.9630	bromine 35 Br 79.9041	krypton 36 Kr 83.8010	
rubidium 37 Rb 85.4678	strontium 38 Sr 87.6210	yttrium 39 Y 88.9059	zirconium 40 Zr 91.2242	niobium 41 Nb 92.9064	molybdenum 42 Mo 95.9410	technetium 43 Tc 98.9063	ruthenium 44 Ru 101.072	rhodium 45 Rh 102.906	palladium 46 Pd 106.421	silver 47 Ag 107.868	cadmium 48 Cd 112.412	indium 49 In 114.818	tin 50 Sn 118.711	antimony 51 Sb 121.760	tellurium 52 Te 127.603	iodine 53 I 126.904	xenon 54 Xe 131.292	
caesium 55 Cs 132.905	barium 56 Ba 137.327	57-70 *	lutetium 71 Lu 174.967	hafnium 72 Hf 178.492	tantalum 73 Ta 180.948	tungsten 74 W 183.841	rhenium 75 Re 186.207	osmium 76 Os 190.233	iridium 77 Ir 192.217	platinum 78 Pt 195.078	gold 79 Au 196.967	mercury 80 Hg 200.592	thallium 81 Tl 204.383	lead 82 Pb 207.210	bismuth 83 Bi 208.980	polonium 84 Po 208.982	astatine 85 At 209.987	radon 86 Rn 222.018
francium 87 Fr 223.020	radium 88 Ra 226.025	89-102 **	lawrencium 103 Lr 262.110	rutherfordium 104 Rf 261.109	dubnium 105 Dd 262.114	seaborgium 106 Sg 263.119	bohrium 107 Bh 264.120	hassium 108 Hs 265.131	meitnerium 109 Mt 268	ununnillium 110 Uun 269	unununium 111 Uuu 272	ununbium 112 Uub 277						

*lanthanides

lanthanum 57 La 138.91	cerium 58 Ce 140.12	praseodymium 59 Pr 140.91	neodymium 60 Nd 144.24	promethium 61 Pm 144.91	samarium 62 Sm 150.36	europium 63 Eu 151.96	gadolinium 64 Gd 157.25	terbium 65 Tb 158.93	dysprosium 66 Dy 162.5	holmium 67 Ho 164.93	erbium 68 Er 167.26	thulium 69 Tm 168.93	ytterbium 70 Yb 173.04
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**actinides

actinium 89 Ac 227.03	thorium 90 Th 232.04	protactinium 91 Pa 231.04	uranium 92 U 238.03	neptunium 93 Np 237.05	plutonium 94 Pu 244.06	americium 95 Am 243.06	curium 96 Cm 247.07	berkelium 97 Bk 247.07	californium 98 Cf 251.08	einsteinium 99 Es 252.08	fermium 100 Fm 257.1	mendelevium 101 Md 258.1	nobelium 102 No 259.1
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