

# Periodic Table of the Elements

Created using ggplot2 and the periodicdata package

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1 H hydrogen 1.00794												13		14		15		16		17		2 He helium 4.002602
3 Li lithium 6.941	4 Be beryllium 9.012182												5 B boron 10.811	6 C carbon 12.0107	7 N nitrogen 14.0067	8 O oxygen 15.9994	9 F fluorine 18.9984032	10 Ne neon 20.1797				
11 Na sodium 22.98977	12 Mg magnesium 24.305												13 Al aluminum 26.981538	14 Si silicon 28.0855	15 P phosphorus 30.973761	16 S sulfur 32.065	17 Cl chlorine 35.453	18 Ar argon 39.948				
19 K potassium 39.0983	20 Ca calcium 40.078	21 Sc scandium 44.95591	22 Ti titanium 47.867	23 V vanadium 50.9415	24 Cr chromium 51.9961	25 Mn manganese 54.938049	26 Fe iron 55.845	27 Co cobalt 58.9332	28 Ni nickel 58.6934	29 Cu copper 63.546	30 Zn zinc 65.409	31 Ga gallium 69.723	32 Ge germanium 72.64	33 As arsenic 74.9216	34 Se selenium 78.96	35 Br bromine 79.904	36 Kr krypton 83.798					
37 Rb rubidium 85.4678	38 Sr strontium 87.62	39 Y yttrium 88.90585	40 Zr zirconium 91.224	41 Nb niobium 92.90638	42 Mo molybdenum 95.94	43 Tc technetium 98	44 Ru ruthenium 101.07	45 Rh rhodium 102.9055	46 Pd palladium 106.42	47 Ag silver 107.8682	48 Cd cadmium 112.411	49 In indium 114.818	50 Sn tin 118.71	51 Sb antimony 121.76	52 Te tellurium 127.6	53 I iodine 126.90447	54 Xe xenon 131.293					
55 Cs cesium 132.90545	56 Ba barium 137.327	57–71 lanthanoids	72 Hf hafnium 178.49	73 Ta tantalum 180.9479	74 W tungsten 183.84	75 Re rhenium 186.207	76 Os osmium 190.23	77 Ir iridium 192.217	78 Pt platinum 195.078	79 Au gold 196.96655	80 Hg mercury 200.59	81 Tl thallium 204.3833	82 Pb lead 207.2	83 Bi bismuth 208.98038	84 Po polonium 209	85 At astatine 210	86 Rn radon 222					
87 Fr francium 223	88 Ra radium 226	89–103 actinoids	104 Rf rutherfordium 261	105 Db dubnium 262	106 Sg seaborgium 266	107 Bh bohrium 264	108 Hs hassium 277	109 Mt meitnerium 268	110 Ds darmstadtium 281	111 Rg roentgenium 272	112 Cn copernicium	113 Nh nihonium	114 Fl flerovium	115 Mc moscovium	116 Lv livermorium	117 Ts tennessine	118 Og oganesson					

57 <b>La</b> lanthanum 138.9055	58 <b>Ce</b> cerium 140.116	59 <b>Pr</b> praseodymium 140.90765	60 <b>Nd</b> neodymium 144.24	61 <b>Pm</b> promethium 145	62 <b>Sm</b> samarium 150.36	63 <b>Eu</b> europium 151.964	64 <b>Gd</b> gadolinium 157.25	65 <b>Tb</b> terbium 158.92534	66 <b>Dy</b> dysprosium 162.5	67 <b>Ho</b> holmium 164.93032	68 <b>Er</b> erbium 167.259	69 <b>Tm</b> thulium 168.93421	70 <b>Yb</b> ytterbium 173.04	71 <b>Lu</b> lutetium 174.967
89 <b>Ac</b> actinium 227	90 <b>Th</b> thorium 232.0381	91 <b>Pa</b> protactinium 231.03588	92 <b>U</b> uranium 238.02891	93 <b>Np</b> neptunium 237	94 <b>Pu</b> plutonium 244	95 <b>Am</b> americium 243	96 <b>Cm</b> curium 247	97 <b>Bk</b> berkelium 247	98 <b>Cf</b> californium 251	99 <b>Es</b> einsteinium 252	100 <b>Fm</b> fermium 257	101 <b>Md</b> mendelevium 258	102 <b>No</b> nobelium 259	103 <b>Lr</b> lawrencium 262