

Periodic Table of the Elements

Z

mass

Symbol

Name

man-made

Alkali metal

Alkaline earth metal

Metal

Metalloid

Non-metal

Halogen

Noble gas

Lanthanoids/Actinoids

1 IA																												18 VIIIA			
1	1.00794																	2	4.002602												
H																		He													
Hydrogen																		Helium													
2 IIA																		13 IIIA		14 IVA		15 VA		16 VIA		17 VIIA					
3	6.941	4	9.012182															5	10.811	6	12.0107	7	14.0067	8	15.9994	9	18.9984032	10	20.1797		
Li		Be																B		C		N		O		F		Ne			
Lithium		Beryllium																Boron		Carbon		Nitrogen		Oxygen		Fluorine		Neon			
11 22.98977		12 24.305																13 26.981538		14 28.0855		15 30.973761		16 32.065		17 35.453		18 39.948			
Na		Mg																Al		Si		P		S		Cl		Ar			
Sodium		Magnesium																Aluminum		Silicon		Phosphorus		Sulfur		Chlorine		Argon			
19 39.0983		20 40.078		21 44.95591	22 47.867	23 50.9415	24 51.9961	25 54.938049	26 55.845	27 58.9332	28 58.6934	29 63.546	30 65.409	31 69.723	32 72.64	33 74.9216	34 78.96	35 79.904	36 83.798												
K		Ca		Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr												
Potassium		Calcium		Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Gallium	Germanium	Arsenic	Selenium	Bromine	Krypton												
37 85.4678		38 87.62		39 88.90585	40 91.224	41 92.90638	42 95.94	43 98	44 101.07	45 102.9055	46 106.42	47 107.8682	48 112.411	49 114.818	50 118.71	51 121.76	52 127.6	53 126.90447	54 131.293												
Rb		Sr		Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe												
Rubidium		Strontium		Yttrium	Zirconium	Niobium	Molybdenum	Technetium	Ruthenium	Rhodium	Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	Iodine	Xenon												
55 132.90545		56 137.327		57–71	72 178.49	73 180.9479	74 183.84	75 186.207	76 190.23	77 192.217	78 195.078	79 196.96655	80 200.59	81 204.3833	82 207.2	83 208.98038	84 209	85 210	86 222												
Cs		Ba		lanthanoids	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn												
Cesium		Barium			Hafnium	Tantalum	Tungsten	Rhenium	Osmium	Iridium	Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon												
87 223		88 226		89–103	104 261	105 262	106 266	107 264	108 277	109 268	110 281	111 272	112 NA	113 NA	114 NA	115 NA	116 NA	117 NA	118 NA												
Fr		Ra		actinoids	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og												
Francium		Radium			Rutherfordium	Dubnium	Seaborgium	Bohrium	Hassium	Meitnerium	Darmstadtium	Roentgenium	Copernicium	Nihonium	Flerovium	Moscovium	Livermorium	Tennessine	Oganesson												
				57 138.9055	58 140.116	59 140.90765	60 144.24	61 145	62 150.36	63 151.964	64 157.25	65 158.92534	66 162.5	67 164.93032	68 167.259	69 168.93421	70 173.04	71 174.967													
				La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu													
				Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium													
				89 227	90 232.0381	91 231.03588	92 238.02891	93 237	94 244	95 243	96 247	97 247	98 251	99 252	100 257	101 258	102 259	103 262													
				Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr													
				Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lawrencium													