

The Modern Periodic Table

GROUPS →	1	2	13	14	15	16	17	18										
	IA	IIA	IIIA	IVA	VA	VIA	VIIA	0										
PERIOD 1	1 H Hydrogen 1						1 H Hydrogen 1	2 He Helium 4										
PERIOD 2	3 Li Lithium 7	4 Be Beryllium 9		6 C Carbon 12	7 N Nitrogen 14	8 O Oxygen 16	9 F Fluorine 19	10 Ne Neon 20										
PERIOD 3	11 Na Sodium 23	12 Mg Magnesium 24		14 Si Silicon 28	15 P Phosphorus 31	16 S Sulphur 32	17 Cl Chlorine 35.5	18 Ar Argon 40										
PERIOD 4	19 K Potassium 39	20 Ca Calcium 40	3 Sc Scandium 45	22 Ti Titanium 48	23 V Vanadium 51	24 Cr Chromium 52	25 Mn Manganese 55	26 Fe Iron 56	27 Co Cobalt 59	28 Ni Nickel 59	29 Cu Copper 63.5	30 Zn Zinc 65	31 Ga Gallium 70	32 Ge Germanium 73	33 As Arsenic 75	34 Se Selenium 79	35 Br Bromine 80	36 Kr Krypton 84
PERIOD 5	37 Rb Rubidium 85.5	38 Sr Strontium 88	39 Y Yttrium 89	40 Zr Zirconium 91	41 Nb Niobium 93	42 Mo Molybdenum 96	43 Tc Technetium 99	44 Ru Ruthenium 101	45 Rh Rhodium 103	46 Pd Palladium 106.5	47 Ag Silver 108	48 Cd Cadmium 112.5	49 In Indium 115	50 Sn Tin 119	51 Sb Antimony 122	52 Te Tellurium 128	53 I Iodine 127	54 Xe Xenon 131
PERIOD 6	55 Cs Caesium 133	56 Ba Barium 137	57 * La Lanthanum 139	72 Hf Hafnium 178.5	73 Ta Tantalum 181	74 W Tungsten 184	75 Re Rhenium 186	76 Os Osmium 186	77 Ir Iridium 192	78 Pt Platinum 195	79 Au Gold 197	80 Hg Mercury 201	81 Tl Thallium 204	82 Pb Lead 207	83 Bi Bismuth (208.9)	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)
PERIOD 7	87 Fr Francium (223)	88 Ra Radium (226)	89 † Ac Actinium (227)	104 Rf Rutherfordium (261)	105 Db Dubnium (262)	106 Sg Seaborgium (263)	107 Bh Bohrium (262)	108 Hs Hassium (265)	109 Mt Meitnerium (267)	110 Uun Ununnilium 195	111 Uuu Unununium 197	112 Uub Unubium 201	113 Uut Ununtrium (284)	114 Uuq Ununquadium (289)	115 Uup Ununpentium (288)	116 Uuh Ununhexium (292)	117 Uus Ununseptium (N/A)	118 Uuo Ununoctium (N/A)

KEY

Symbol of element — Atomic number

Name of element — Relative atomic mass

4 — Be — Beryllium — 9

← TRANSITION ELEMENTS →

← A ← B → C →

6	* Lanthanide Series	58 Ce Cerium 140	59 Pr Praseodymium 141	60 Nd Neodymium 144	61 Pm Promethium 145	62 Sm Samarium 150.5	63 Eu Europium 152	64 Gd Gadolinium 157	65 Tb Terbium 159	66 Dy Dysprosium 162.5	67 Ho Hassium 165	68 Er Erbium 167	69 Tm Thulium 169	70 Yb Ytterbium 173	71 Lu Lutetium 175
7	† Actinide Series	90 Th Thorium 232	91 Pa Protactinium 231	92 U Uranium 238	93 Np Neptunium 237	94 Pu Plutonium 244	95 Am Americium 243	96 Cm Curium 247	97 Bk Berkelium 247	98 Cf Californium 251	99 Es Einsteinium 254	100 Fm Fermium 257	101 Md Mendelevium 258	102 No Nobelium 259	103 Lr Lawrencium 260

A	1(IA) — ALKALI METALS	B	2 (IIA) — ALKALINE EARTH METALS	C	3 to 12 (IB to VIIB & VIII) — [METALS] TRANSITION ELEMENTS	WEAK METALS	METALLOIDS	HALOGENS	NOBLE GASES
----------	-----------------------	----------	---------------------------------	----------	--	--------------------	-------------------	-----------------	--------------------