Periodic Table of Elements

1	1 H Hydrogen 1	2											3	4	5	6	7	4 He Helium 2
2	r Li	⁹ Be											B	12 C	N 14	O	19 F	Ne
	Lithium 3	Beryllium 4											Boron 5	Carbon 6	Nitrogen 7	Oxygen 8	Flourine 9	Neon 10
	23	24											27	28	31	32	35.5	40
3	Na	Mg											Αl	Ši	P	Š	ČI	Ār
	Sodium	Magnesium											Aluminium	Silicon	Phosphorus	Sulphur	Chlorine	Argon
	11	12		1		i	1				ı		13	14	15	16	17	18
	39	40	45	48	51	52	55	55.845	59	59	64	65	70	73	75	79	80	84
4	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
	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
	85	88	89	91	93	96	98	101	103	106	108	112	115	119	122	128	127	131
5	Rb	Sr	Y	Zr	Nb	Mo	Тс	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	ı	Xe
	Rubidium	Strontium	Yttrium	Zirconium	Niobium	Molybdenum	Technetium	Ruthenium	Rhodium	Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	lodine	Xenon
	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
	133	137	1 - 1	179	181	181	186 D =	190	192	195	197	201	204	207	209	210	210	222
6	Cs	Ba	La-Lu	Hf	Ta	W	Re	Os	lr	Pt	Au	Hg	ΤI	Pb	Bi	Po	At	Rn
	Caesium	Barium	Lanthanides 57-71	Halfnium 72	Tantalum	Tungsten	Rhenium	Osmium	Iridium	Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon
	55 223	56 226	31-11	261	73	74 266	75 264	76 277	77 268	78 281	79	80 285	81 284	82 289	83 288	293	85 292	304
	Fr	Ra	Λc 1 -	Rf	Db		Bh	Hs	Mt	Ds	280 D ~	Cn Cn	Nh	FI	Mc	_	T s	294
7			Ac-Lr			Sg	the same of the same of				Rg		*****			Lv		Og
	Francium 87	Radium 88	Actinides 89-103	Rutherfordium 104	Dubnium 105	Seaborgium 106	Bohrium 107	Hassium 108	Meitnerium 109	Darmstadtium 110	Roentgenium 111	Copernicium 112	Nihonium 113	Flerovium 114	Moscovium 115	Livermorium 116	Tennessine 117	Oganesson 118
ı	01	00	05 105	104	100	100	107	100	109	110	111	112	113	114	113	110	111	110

	139	140	141		145	150	152	157	159	162.5		167	169	173	175
١.	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	I m	Yb	Lu
	Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
	227	232	231	238	237	244	243	247	247	251	252	257	258	259	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
- 3	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103

