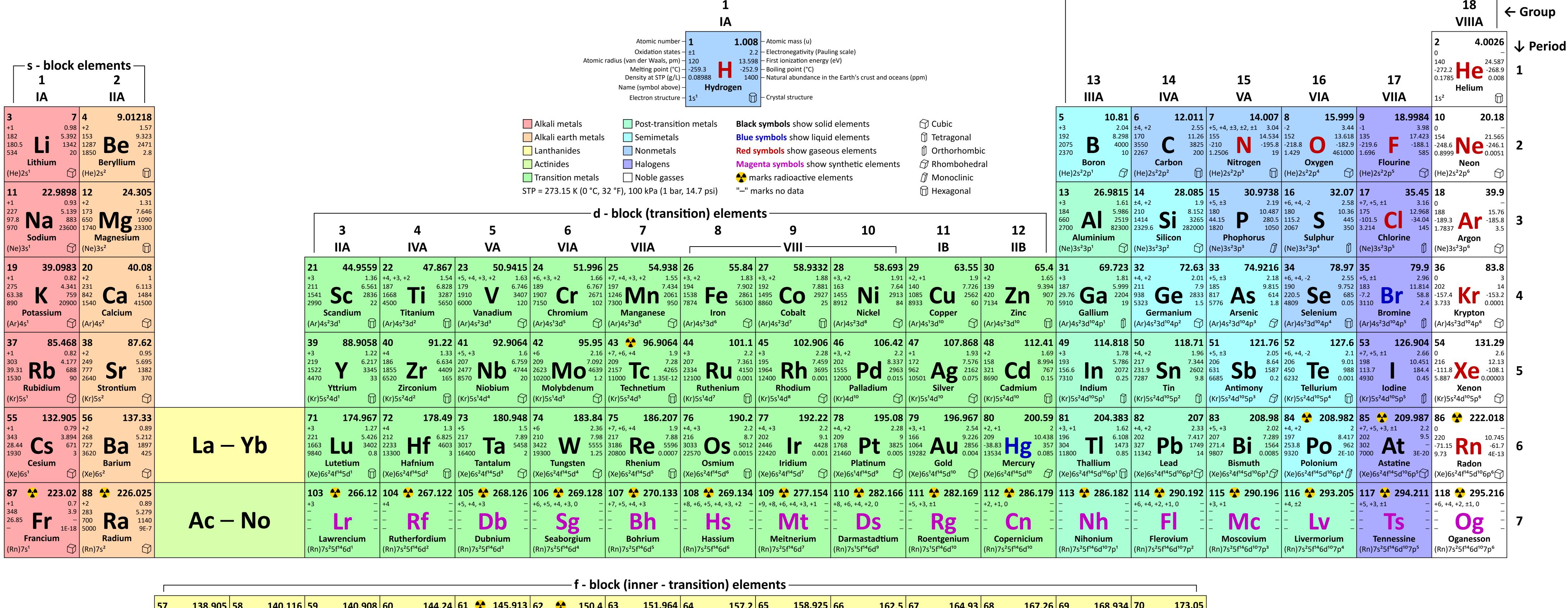
PERIODIC TABLE OF THE ELEMENTS (LONG FORM)

p - block elements (except He: s - block element)



Γ	f - block (inner - transition) elements															
57	13	8.905 58	140.116 59	140.908 60	144.24 61 😵	145.913 62	150.4	63 151.9	64 64	157.2	65 158.925	66 162.5	67 164.93	68 167.26	69 168.934	70 173.05
+3 240	_	1.1 +4, +3 5.577 235	1.12 +3 5.539 239	1.13 +3 5.464 229	1.14 +3 5.525 236	- +3, +2 5.55 229		+3, +2 233 — 5	- +3 5.67 237	1.2	+3 – 5.864	+3 1.22 229 5 .939		3 +3 1.24 2 235 - 6.108	+3 1.25 227 6 .184	+3, +2 – 242 – 6.254
918 6150	。La	3464 798 39 6770	Ce 3424 931 6770	9.2 7010	3074 41.5 7260 PI	3000 1074 2E-17 7520	5m 1794 7.05	822 EU 1	529 1313 2 7900	GG 3273 6.2	1356 8230	1412 DV 2567 5.2	1474 HO 2700	Er 2868 3 9070 Er 2868 3.5	1545 9320 1950 0.52	819 Y D 1196 6900 3,2
	Lanthani		_	eodymium Neod	lymium Promo	ethium Sa	amarium	Europium	Gad	dolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium
(Xe))6s ² 5d ¹	(Xe)6s ²	lf¹5d¹	4f ³ (Xe)6s ² 4f	4 (Xe)6s ² 4f ⁵	(Xe)6s ²	² 4†°	(Xe)6s ² 4f ⁷	(Xe)6s ²	4f ⁷ 5d ¹	(Xe)6s ² 4f ⁹	(Xe)6s ² 4f ¹⁰	(Xe)6s ² 4f ¹¹	(Xe)6s ² 4f ¹²	(Xe)6s ² 4f ¹³	(Xe)6s ² 4f ¹⁴
89	* 22	7.028 90 🐇	232.038 91 🔮	231.036 92 🛠					61 96 🐧			98 😵 251.08	99 🛠 252.083	100 🛠 257.098	101 😵 258.098	102 🛠 259.101
+3 260		0.7 +4 5.17 237	0.9 +5, +4 6.08 243	1.1 +6, +5, +4, 5.89 240					l.36 +3 993 245		+4, +3 1.3 244 6.23	+3 1.3 245 6.3	+3	3 +3	+3, +2 - 6.58	+3, +2 1.3 - 6.65
105	$^{1}_{70}$ AC	3198 1750 6F-13 11720	Th 4788 243 1572 9.6 15370	Pa - 1135	4131 644	6.266 243 3902 640 3E-12 19840	Pu 3228	1176 Am 2	011 1345 - 13510	Cm 3127	1050 BK -	900	860 ES	- 1527 Fm	827 V G -	827 O –
	Actiniu	m TI	norium Prot	tactinium Ura	nium Nept	unium Pl	utonium	Americium	C	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium
(Rn)7s26d ¹	(Rn)7s2	$6d^2 \qquad \bigcirc (Rn)7s^25$	$5f^26d1$ $(Rn)7s^25f$	³6d1	6d1 (Rn)7s ²	² 5f ⁶	(Rn)7s ² 5f ⁷	(Rn)7s ² !	5f ⁷ 6d ¹	(Rn)7s ² 5f ⁹	(Rn)7s ² 5f ¹⁰	(Rn)7s ² 5f ¹¹	(Rn)7s ² 5f ¹²	(Rn)7s ² 5f ¹³	(Rn)7s ² 5f ¹⁴