Atomic number — Electron configuration — Symbol — Melting point [°C] — Boiling point [°C] — Radioactive — Atomic mass (mean relative) — Oxydation states — Density [g/cm³], for gases [g/l] (0°C,1013mbar) — Electronegativity

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	1A	2A	3A	4A	5A	6A	7A	8	8	8	1B	2B	3B	4B	5B	6B	7B	0
1	1 1.01 1s 1,-1 H -259 0.09 -253 2.1																	2 4.00 1s² He - 018 -269 -
2	3 6.94 [He] 2s 1 Li 181 0.53 1330 1.0	4 9.01 [He] 2s² 2 Be 1277 1.85 2970 1.5											5 10.81 [He] 2s² 2p 3 B (2030) 2.35 2550 2.0	6 12.01 [He] 2s² 2p² 4,2,-4 C (3550) 2.2 4830 2.5	7 14.01 [He] 2s² 2p³ 5,4,3,2,-3 N -210 1.25 -196 3.0	8 16.00 [He] 2s² 2p⁴ -2,-1 O -219 1.43 -183 3.5	9 19.00 [He] 2s² 2p⁵ -1 F -220 1.7 -188 4.0	10 20.18 [He] 2s² 2p⁶ Ne -249 0.9 -246 -
3	11 22.99 [Ne] 3s 1 Na 98 0.97 892 0.9	12 24.31 [Ne] 3s² 2 Mg 650 1.74 1107 1.2											13 26.98 [Ne] 3s² 3p 3 Al 660 2.70 2450 1.5	14 28.09 [Ne] 3s² 3p² 4,-4 Si 1410 2.33 2680 1.8	15 30.97 [Ne] 3s² 3p³ 5,3,-3 P 44 1.82 280 2.1	16 32.06 [Ne] 3s² 3p⁴ 6,4,2,-2 S 119 2.07 445 2.5	17 35.45 [Ne] 3s² 3p⁵ 7,5,3,1,-1 Cl -101 3.2 -35 3.0	18 39.95 [Ne] 3s² 3p⁶ Ar -189 1.78 -183 -
4	19 39.10 [Ar] 4s 1 K 64 0.86 760 0.8	20 40.08 [Ar] 4s² 2 Ca 838 1.55 1440 1.0	21 44.96 [Ar] 3d 4s² 3 Sc 1539 3.0 2730 1.3	22 47.88 [Ar] 3d² 4s² 4,3 Ti 1668 4.54 3260 1.5	23 50.94 [Ar] 3d³ 4s² 5,4,3,2,0 V 1900 6.1 3450 1.5	24 52.00 [Ar] 3d⁵ 4s 6,3,2,0 Cr 1875 7.19 2200 1.6	25 54.94 [Ar] 3d⁵ 4s² 7,6,4,3,2,0,-1 Mn 1245 7.43 2097 1.5	26 55.85 [Ar] 3d⁶ 4s² 6,3,2,0,-2 Fe 1536 7.86 3000 1.8	27 58.93 [Ar] 3d⁷ 4s² 3,2,0,-1 Co 1495 8.9 2900 1.9	28 58.70 [Ar] 3d⁸ 4s² 3,2,0 Ni 1453 8.9 2730 1.9	29 63.55 [Ar] 3d¹⁰ 4s 2,1 Cu 1083 8.96 2595 1.9	30 65.38 [Ar] 3d¹⁰ 4s² 2 Zn 420 7.13 906 1.6	31 69.72 [Ar] 3d¹⁰ 4s² 4p 3 Ga 30 5.91 2237 1.6	32 72.59 [Ar] 3d¹⁰ 4s² 4p² 4 Ge 937 5.32 2830 1.8	33 74.91 [Ar] 3d¹⁰ 4s² 4p³ 5,3,-3 As Subl. 5.72 - 2.0	34 78.96 [Ar] 3d¹⁰ 4s² 4p⁴ 6,4,-2 Se 217 4.79 685 2.4	35 79.90 [Ar] 3d¹⁰ 4s² 4p⁵ 7,5,3,1,-1 Br -7 3.12 58 2.8	36 83.80 [Ar] 3d¹⁰ 4s² 4p⁶ Kr -157 3.7 -152 -
5	37 85.47 [Kr] 5s 1 Rb 39 1.53 688 0.8	38 87.62 [Kr] 5s² 2 Sr 768 2.6 1380 1.0	39 88.91 [Kr] 4d 5s² 3 Y 1509 4.47 2927 1.2	40 91.22 [Kr] 4d² 5s² 4 Zr 1852 6.49 3580 1.4	41 92.92 [Kr] 4d⁴ 5s 5,3 Nb 2468 8.57 4927 1.6	42 95.94 [Kr] 4d⁵ 5s 6,5,4,3,2,0 Mo 2610 10.2 5560 1.8	43 (98.91) [Kr] 4d⁶ 5s 7 Tc 2140 11.5 5030 * 1.9	44 101.07 [Kr] 4d⁷ 5s 8,6,4,3,2,0,-2 Ru 2500 12.4 3900 2.2	45 102.91 [Kr] 4d⁸ 5s 5,4,3,1,2,0 Rh 1966 12.4 3730 2.2	46 106.42 [Kr] 4d¹⁰ 4,2,0 Pd 1552 12.0 3140 2.2	47 107.87 [Kr] 4d¹⁰ 5s 2,1 Ag 961 10.5 2210 1.9	48 112.41 [Kr] 4d¹⁰ 5s² 2 Cd 321 8.65 765 1.7	49 114.82 [Kr] 4d¹⁰ 5s² 5p 3 In 156 7.31 2080 1.7	50 118.69 [Kr] 4d¹⁰ 5s² 5p² 4,2 Sn 232 7.30 2270 1.8	51 121.75 [Kr] 4d¹⁰ 5s² 5p³ 5,3,-3 Sb 631 6.69 1380 1.9	52 127.60 [Kr] 4d¹⁰ 5s² 5p⁴ 6,4,-2 Te 450 6.24 990 2.1	53 126.90 [Kr] 4d¹⁰ 5s² 5p⁵ 7,5,1,-1 I 114 4.94 183 2.5	54 131.29 [Kr] 4d¹⁰ 5s² 5p⁶ Xe -112 5.89 -108 -
6	55 132.91 [Xe] 6s 1 Cs 29 1.90 690 0.7	56 137.33 [Xe] 6s² 2 Ba 714 3.76 1640 0.9	71 174.97 [Xe] 4f¹⁴ 5d 6s² 3 Lu 1652 9.84 3327 1.2	72 178.49 [Xe] 4f¹⁴ 5d² 6s² 4 Hf 2222 13.31 5400 1.3	73 180.95 [Xe] 4f¹⁴ 5d³ 6s² 5 Ta 2996 16.5 5425 1.5	74 183.85 [Xe] 4f¹⁴ 5d⁴ 6s² 6,5,4,3,2,0 W 3410 19.3 5930 1.7	75 186.21 [Xe] 4f¹⁴ 5d⁵ 6s² 7,6,4,2,-1 Re 3180 21.0 5900 1.9	76 190.20 [Xe] 4f¹⁴ 5d⁶ 6s² 8,6,4,3,2,0,-2 Os 3050 22.6 5500 2.2	77 192.22 [Xe] 4f¹⁴ 5d⁷ 6s² 6,4,3,2,1,0,-1 Ir 2454 22.7 4500 2.2	78 195.08 [Xe] 4f¹⁴ 5d⁹ 6s 4,2,0 Pt 1769 21.4 3830 2.2	79 196.97 [Xe] 4f¹⁴ 5d¹⁰ 6s 3,1 Au 1063 19.3 2970 2.4	80 200.59 [Xe] 4f¹⁴ 5d¹⁰ 6s² 2,1 Hg -38 13.6 357 1.9	81 204.38 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p 3,1 Tl 303 11.85 1457 1.8	82 207.20 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p² 4,2 Pb 327 11.4 1725 1.9	83 208.98 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p³ 5,3 Bi 271 9.8 1560 1.9	84 (209) [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁴ 6,4,2 Po 254 9.3 962 * 2.0	85 (210) [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁵ 7,5,3,1,-1 At (302) - 337 * 2.2	86 (222) [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁶ Rn (-71) 9.73 -62 * -
7	87 (223.0) [Rn] 7s 1 Fr (27) - 677 * 0.7	88 226.03 [Rn] 7s² 2 Ra 700 5.0 1140 * 0.9	103 (262.1) [Rn] 5f¹⁴ 6d 7s² 3 Lr - - - * -	104 (261.1) [Rn] 5f¹⁴ 6d² 7s² Rf - - - * -	105 (262.1) [Rn] 5f¹⁴ 6d³ 7s² Db - - - * -	106 (263.1) [Rn] 5f¹⁴ 6d⁴ 7s² Sg - - - * -	107 (264.1) [Rn] 5f¹⁴ 6d⁵ 7s² Bh - - - * -	108 (265.1) [Rn] 5f¹⁴ 6d⁶ 7s² Hs - - - * -	109 (268) [Rn] 5f¹⁴ 6d⁷ 7s² Mt - - - * -	110 (269) [Rn] 5f¹⁴ 6d⁹ 7s Uun - - - * -	111 (272) [Rn] 5f¹⁴ 6d¹⁰ 7s Uuu - - - * -	112 (277) Uub - - - * -		114 (289) Uuq - - - * -		116 (289) Uuh - - - * -		118 (293) Uuo - - - * -

6 Lanthanoids	57 138.91 [Xe] 5d 6s² 3 La 920 6.17 3470 1.1	58 140.12 [Xe] 4f² 6s² 4,3 Ce 795 6.67 3468 1.1	59 140.91 [Xe] 4f³ 6s² 4,3 Pr 935 6.77 3127 1.1	60 144.24 [Xe] 4f⁴ 6s² 3 Nd 1024 7.00 3027 1.2	61 (145) [Xe] 4f⁵ 6s² 3 Pm (1027) 7.22 2460 * -	62 150.36 [Xe] 4f⁶ 6s² 3,2 Sm 1072 7.54 1790 1.2	63 151.96 [Xe] 4f⁷ 6s² 3,2 Eu 828 5.26 1439 -	64 157.25 [Xe] 4f⁷ 5d 6s² 3 Gd 1312 7.89 3000 1.1	65 158.93 [Xe] 4f⁹ 6s² 4,3 Tb 1356 8.27 2800 1.2	66 162.50 [Xe] 4f¹⁰ 6s² 3 Dy 1407 8.54 2600 -	67 164.93 [Xe] 4f¹¹ 6s² 3 Ho 1461 8.80 2600 1.2	68 167.26 [Xe] 4f¹² 6s² 3 Er 1497 9.05 2900 1.2	69 168.93 [Xe] 4f¹³ 6s² 3,2 Tm 1545 9.33 1727 1.2	70 173.04 [Xe] 4f¹⁴ 6s² 3,2 Yb 824 6.98 1196 1.1
7 Actinoids	89 (227) [Rn] 6d 7s² 3 Ac 1050 10.1 - * 1.1	90 232.04 [Rn] 6d² 7s² 4 Th 1750 11.7 3850 * 1.3	91 231.04 [Rn] 5f² 6d 7s² 5,4 Pa (1230 15.4 - * 1.4	92 238.03 [Rn] 5f³ 6d 7s² 6,5,4,3 U 1132 19.07 3818 * 1.4	93 (237.05) [Rn] 5f⁴ 6d 7s² 6,5,4,3 Np 637 19.5 3900 * 1.3	94 (244) [Rn] 5f⁶ 7s² 6,5,4,3 Pu 640 19.81 3235 * 1.3	95 (243) [Rn] 5f⁷ 7s² 6,5,4,3 Am 994 13.7 - * 1.3	96 (247) [Rn] 5f⁷ 6d 7s² 4,3 Cm (1340) 13.51 3100 * -	97 (247) [Rn] 5f⁹ 7s² 4,3 Bk - - - * -	98 (251) [Rn] 5f¹⁰ 7s² 4,3 Cf - - - * -	99 (254) [Rn] 5f¹¹ 7s² 3 Es - - - * -	100 (257) [Rn] 5f¹² 7s² 3 Fm - - - * -	101 (258) [Rn] 5f¹³ 7s² 3 Md - - - * -	102 (259) [Rn] 5f¹⁴ 7s² 3,2 No - - - * -