化学元素周期表

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H 氢 1.0080 1 2.20																	2 He 氦 4.0026 2
2	3 Li 锂 6.94 2-1 0.98	4 Be 铍 9.0122 2-2 1.57											5 B 硼 10.81 2-3 2.04	6 C 碳 12.011 2-4 2.55	7 N 氮 14.007 2-5 3.04	8 O 氧 15.999 2-6 3.44	9 F 氟 18.998 2-7 3.98	10 Ne 氖 20.180 2-8
3	11 Na 钠 22.990 2-8-1 0.93	12 Mg 镁 24.305 2-8-2 1.31											13 Al 铝 26.982 2-8-3 1.61	14 Si 硅 28.085 2-8-4 1.90	15 P 磷 30.974 2-8-5 2.19	16 S 硫 32.06 2-8-6 2.58	17 Cl 氯 35.45 2-8-7 3.16	18 Ar 氩 39.95 2-8-8
4	19 K 钾 39.098 2-8-8-1 0.82	20 Ca 钙 40.078 2-8-8-2 1.00	21 Sc 钪 44.956 2-8-9-2 1.36	22 Ti 钛 47.867 2-8-10-2 1.54	23 V 钒 50.942 2-8-11-2 1.63	24 Cr 铬 51.996 2-8-13-1 1.66	25 Mn 锰 54.938 2-8-13-2 1.55	26 Fe 铁 55.845 2-8-14-2 1.83	27 Co 钴 58.933 2-8-15-2 1.88	28 Ni 镍 58.693 2-8-16-2 1.91	29 Cu 铜 63.546 2-8-18-1 1.90	30 Zn 锌 65.38 2-8-18-2 1.65	31 Ga 镓 69.723 2-8-18-3 1.81	32 Ge 锗 72.630 2-8-18-4 2.01	33 As 砷 74.922 2-8-18-5 2.18	34 Se 硒 78.971 2-8-18-6 2.55	35 Br 溴 79.904 2-8-18-7 2.96	36 Kr 氪 83.798 2-8-18-8 3.00
5	37 Rb 铷 85.468 2-8-18-8-1 0.82	38 Sr 锶 87.62 2-8-18-8-2 0.95	39 Y 钇 88.906 2-8-18-9-2 1.22	40 Zr 锆 91.222 2-8-18-10-2 1.33	41 Nb 铌 92.906 2-8-18-12-1 1.6	42 Mo 钼 95.95 2-8-18-13-1 2.16	43 Tc 锝 [97] 2-8-18-13-2 1.9	44 Ru 钌 101.07 2-8-18-15-1 2.2	45 Rh 铑 102.91 2-8-18-16-1 2.28	46 Pd 钯 106.42 2-8-18-18 2.20	47 Ag 银 107.87 2-8-18-18-1 1.93	48 Cd 镉 112.41 2-8-18-18-2 1.69	49 In 铟 114.82 2-8-18-18-3 1.78	50 Sn 锡 118.71 2-8-18-18-4 1.96	51 Sb 锑 121.76 2-8-18-18-5 2.05	52 Te 碲 127.60 2-8-18-18-6 2.1	53 I 碘 126.90 2-8-18-18-7 2.66	54 Xe 氙 131.29 2-8-18-18-8 2.6
6	55 Cs 铯 132.91 2-8-18-18-8-1 0.79	56 Ba 钡 137.33 2-8-18-18-8-2 0.89	57–71	72 Hf 铪 178.49 2-8-18-32-10-2 1.3	73 Ta 钽 180.95 2-8-18-32-11-2 1.5	74 W 钨 183.84 2-8-18-32-12-2 2.36	75 Re 铼 186.21 2-8-18-32-13-2 1.9	76 Os 锇 190.23 2-8-18-32-14-2 2.2	77 Ir 铱 192.22 2-8-18-32-15-2 2.20	78 Pt 铂 195.08 2-8-18-32-17-1 2.28	79 Au 金 196.97 2-8-18-32-18-1 2.54	80 Hg 汞 200.59 2-8-18-32-18-2 2.00	81 Tl 铊 204.38 2-8-18-32-18-3 1.62	82 Pb 铅 207.2 2-8-18-32-18-4 1.87	83 Bi 铋 208.98 2-8-18-32-18-5 2.02	84 Po 钋 [209] 2-8-18-32-18-6 2.0	85 At 砹 [210] 2-8-18-32-18-7	86 Rn 氡 [222] 2-8-18-32-18-8
7	87 Fr 钫 [223] 2-8-18-32-18-8-1 0.9	88 Ra 镭 [226] 2-8-18-32-18-8-2	89–103	104 Rf 𨧀 [267] 2-8-18-32-32-10-2	105 Db 𨨏 [268] 2-8-18-32-32-11-2	106 Sg 𨭆 [269] 2-8-18-32-32-12-2	107 Bh 𨨈 [270] 2-8-18-32-32-13-2	108 Hs 𨨫 [269] 2-8-18-32-32-14-2	109 Mt 鿏 [278] 2-8-18-32-32-15-2	110 Ds 𫟼 [281] 2-8-18-32-32-16-2	111 Rg 𬬭 [282] 2-8-18-32-32-17-2	112 Cn 鿔 [285] 2-8-18-32-32-18-2	113 Nh 鿭 [286] 2-8-18-32-32-18-3	114 Fl 𫓧 [289] 2-8-18-32-32-18-4	115 Mc 镆 [290] 2-8-18-32-32-18-5	116 Lv 鉝 [293] 2-8-18-32-32-18-6	117 Ts 𫓬 [294] 2-8-18-32-32-18-7	118 Og 𫟪 [294] 2-8-18-32-32-18-8

	3	4	5	6	7	8	9	10	11	12	13	14	15
6	57 La 镧 138.91 2-8-18-18-9-2 1.10	58 Ce 铈 140.12 2-8-18-19-9-2 1.12	59 Pr 镨 140.91 2-8-18-21-8-2 1.13	60 Nd 钕 144.24 2-8-18-22-8-2 1.14	61 Pm 钷 [145] 2-8-18-23-8-2	62 Sm 钐 150.36 2-8-18-24-8-2 1.17	63 Eu 铕 151.96 2-8-18-25-8-2	64 Gd 钆 157.25 2-8-18-25-9-2 1.20	65 Tb 铽 158.93 2-8-18-27-8-2	66 Dy 镝 162.50 2-8-18-28-8-2 1.22	67 Ho 钬 164.93 2-8-18-29-8-2 1.23	68 Er 铒 167.26 2-8-18-30-8-2 1.24	69 Tm 铥 168.93 2-8-18-31-8-2 1.25
7	89 Ac 锕 [227] 2-8-18-32-18-9-2 1.1	90 Th 钍 232.04 2-8-18-32-18-10-2 1.3	91 Pa 镤 231.04 2-8-18-32-20-9-2 1.5	92 U 铀 238.03 2-8-18-32-21-9-2 1.38	93 Np 镎 [237] 2-8-18-32-22-9-2 1.36	94 Pu 钚 [244] 2-8-18-32-24-8-2 1.28	95 Am 镅 [243] 2-8-18-32-25-8-2	96 Cm 锔 [247] 2-8-18-32-25-9-2	97 Bk 锫 [247] 2-8-18-32-27-8-2	98 Cf 锎 [251] 2-8-18-32-28-8-2	99 Es 锿 [252] 2-8-18-32-29-8-2	100 Fm 镄 [257] 2-8-18-32-30-8-2	101 Md 钔 [258] 2-8-18-32-31-8-2

	16	17	18
6	70 Yb 镱 173.05 2-8-18-32-8-2	71 Lu 镥 174.97 2-8-18-32-9-2 1.27	
7	102 No 锘 [259] 2-8-18-32-32-8-2	103 Lr 铹 [266] 2-8-18-32-32-8-3	

碱金属
碱土金属
过渡金属
后过渡金属
类金属
非金属
卤素
稀有气体
镧系元素
锕系元素

原子序数 · 电负性 (鲍林标度)
元素符号
名称
相对原子质量
各电子层电子数

[227] — 最稳定同位素的质量数

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