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

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6	57 La 镧 138.91 1.10 2-8-18-18-9-2	58 Ce 铈 140.12 1.12 2-8-18-19-9-2	59 Pr 镨 140.91 1.13 2-8-18-21-8-2	60 Nd 钕 144.24 1.14 2-8-18-22-8-2	61 Pm 钷 [145] 2-8-18-23-8-2	62 Sm 钐 150.36 1.17 2-8-18-24-8-2	63 Eu 铕 151.96 2-8-18-25-8-2	64 Gd 钆 157.25 1.20 2-8-18-25-9-2	65 Tb 铽 158.93 2-8-18-27-8-2	66 Dy 镝 162.50 1.22 2-8-18-28-8-2	67 Ho 钬 164.93 1.23 2-8-18-29-8-2	68 Er 铒 167.26 1.24 2-8-18-30-8-2	69 Tm 铥 168.93 1.25 2-8-18-31-8-2	70 Yb 镱 173.05 2-8-18-32-8-2	71 Lu 镥 174.97 1.27 2-8-18-32-9-2
7	89 Ac 锕 [227] 1.1 2-8-18-32-18-9-2	90 Th 钍 232.04 1.3 2-8-18-32-18-10-2	91 Pa 镤 231.04 1.5 2-8-18-32-20-9-2	92 U 铀 238.03 1.38 2-8-18-32-21-9-2	93 Np 镎 [237] 1.36 2-8-18-32-22-9-2	94 Pu 钚 [244] 1.28 2-8-18-32-24-8-2	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	102 No 锘 [259] 2-8-18-32-32-8-2	103 Lr 铹 [266] 2-8-18-32-32-8-3

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

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

[227] — 最稳定同位素的质量数

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