

元素周期表
Periodic Table of the Elements

1 I A																18 0										
1	2 II A																13 III A 14 IV A 15 V A 16 VI A 17 VII A									2 4.003 He 氦 Helium 1s ²
	3 6.941 Li 锂 Lithium [He]2s ¹															5 10.81 B 硼 Boron [He]2s ² 2p ¹	6 12.01 C 碳 Carbon [He]2s ² 2p ²	7 14.01 N 氮 Nitrogen [He]2s ² 2p ³	8 16.00 O 氧 Oxygen [He]2s ² 2p ⁴	9 19.00 F 氟 Fluorine [He]2s ² 2p ⁵	10 20.18 Ne 氖 Neon [He]2s ² 2p ⁶					
	11 22.99 Na 钠 Sodium [Ne]3s ¹	12 24.31 Mg 镁 Magnesium [Ne]3s ²	3 III A 4 IV B 5 V B 6 VIB 7 VIIB 8 VIII 9 VIII 10 VIII 11 IB 12 IIB														13 26.98 Al 铝 Aluminium [Ne]3s ² 3p ¹	14 28.09 Si 硅 Silicon [Ne]3s ² 3p ²	15 30.97 P 磷 Phosphorus [Ne]3s ² 3p ³	16 32.06 S 硫 Sulfur [Ne]3s ² 3p ⁴	17 35.45 Cl 氯 Chlorine [Ne]3s ² 3p ⁵	18 39.95 Ar 氩 Argon [Ne]3s ² 3p ⁶				
2	19 39.10 K 钾 Potassium [Ar]4s ¹	20 40.08 Ca 钙 Calcium [Ar]4s ²	21 44.96 Sc 钪 Scandium [Ar]3d ¹ 4s ²	22 47.87 Ti 钛 Titanium [Ar]3d ² 4s ²	23 50.94 V 钒 Vanadium [Ar]3d ³ 4s ²	24 52.00 Cr 铬 Chromium [Ar]3d ⁵ 4s ¹	25 54.94 Mn 锰 Manganese [Ar]3d ⁵ 4s ²	26 55.85 Fe 铁 Iron [Ar]3d ⁶ 4s ²	27 58.93 Co 钴 Cobalt [Ar]3d ⁷ 4s ²	28 58.69 Ni 镍 Nickel [Ar]3d ⁸ 4s ²	29 63.55 Cu 铜 Copper [Ar]3d ¹⁰ 4s ¹	30 65.38 Zn 锌 Zinc [Ar]3d ¹⁰ 4s ²	31 69.72 Ga 镓 Gallium [Ar]3d ¹⁰ 4s ² 4p ¹	32 72.63 Ge 锗 Germanium [Ar]3d ¹⁰ 4s ² 4p ²	33 74.92 As 砷 Arsenic [Ar]3d ¹⁰ 4s ² 4p ³	34 78.97 Se 硒 Selenium [Ar]3d ¹⁰ 4s ² 4p ⁴	35 79.90 Br 溴 Bromine [Ar]3d ¹⁰ 4s ² 4p ⁵	36 83.80 Kr 氪 Krypton [Ar]3d ¹⁰ 4s ² 4p ⁶								
	37 85.47 Rb 铷 Rubidium [Kr]5s ¹	38 87.62 Sr 锶 Strontium [Kr]5s ²	39 88.91 Y 钇 Yttrium [Kr]4d ¹ 5s ²	40 91.22 Zr 锆 Zirconium [Kr]4d ² 5s ²	41 92.91 Nb 铌 Niobium [Kr]4d ⁴ 5s ¹	42 95.95 Mo 钼 Molybdenum [Kr]4d ⁵ 5s ¹	43 [97] Tc 锝 Technetium [Kr]4d ⁵ 5s ²	44 101.1 Ru 钌 Ruthenium [Kr]4d ⁷ 5s ¹	45 102.9 Rh 铑 Rhodium [Kr]4d ⁸ 5s ¹	46 106.4 Pd 钯 Palladium [Kr]4d ¹⁰	47 107.9 Ag 银 Silver [Kr]4d ¹⁰ 5s ¹	48 112.4 Cd 镉 Cadmium [Kr]4d ¹⁰ 5s ²	49 114.8 In 铟 Indium [Kr]4d ¹⁰ 5s ² 5p ¹	50 118.7 Sn 锡 Tin [Kr]4d ¹⁰ 5s ² 5p ²	51 121.8 Sb 锑 Antimony [Kr]4d ¹⁰ 5s ² 5p ³	52 127.6 Te 碲 Tellurium [Kr]4d ¹⁰ 5s ² 5p ⁴	53 126.9 I 碘 Iodine [Kr]4d ¹⁰ 5s ² 5p ⁵	54 131.3 Xe 氙 Xenon [Kr]4d ¹⁰ 5s ² 5p ⁶								
	55 132.9 Cs 铯 Caesium [Xe]6s ¹	56 137.3 Ba 钡 Barium [Xe]6s ²	57-71 La-Lu 镧系 Lanthanoids		72 178.5 Hf 铪 Hafnium [Xe]4f ¹⁴ 5d ² 6s ²	73 180.9 Ta 钽 Tantalum [Xe]4f ¹⁴ 5d ³ 6s ²	74 183.8 W 钨 Tungsten [Xe]4f ¹⁴ 5d ⁴ 6s ²	75 186.2 Re 铼 Rhenium [Xe]4f ¹⁴ 5d ⁵ 6s ²	76 190.2 Os 锇 Osmium [Xe]4f ¹⁴ 5d ⁶ 6s ²	77 192.2 Ir 铱 Iridium [Xe]4f ¹⁴ 5d ⁷ 6s ²	78 195.1 Pt 铂 Platinum [Xe]4f ¹⁴ 5d ⁹ 6s ¹	79 197.0 Au 金 Gold [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹	80 200.6 Hg 汞 Mercury [Xe]4f ¹⁴ 5d ¹⁰ 6s ²	81 204.4 Tl 铊 Thallium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	82 207.2 Pb 铅 Lead [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	83 209.0 Bi 铋 Bismuth [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	84 [209] Po 钋 Polonium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	85 [210] At 砹 Astatine [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	86 [222] Rn 氡 Radon [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶							
3	87 [223] Fr 钫 Francium [Rn]7s ¹	88 [226] Ra 镭 Radium [Rn]7s ²	89-103 Ac-Lr 锕系 Actinoids		104 [267] Rf 𬬻 Rutherfordium [Rn]5f ¹⁴ 6d ² 7s ²	105 [268] Db 𬬾 Dubnium [Rn]5f ¹⁴ 6d ³ 7s ²	106 [269] Sg 𬬿 Seaborgium [Rn]5f ¹⁴ 6d ⁴ 7s ²	107 [270] Bh 𬭀 Bohrium [Rn]5f ¹⁴ 6d ⁵ 7s ²	108 [269] Hs 𬭁 Hassium [Rn]5f ¹⁴ 6d ⁶ 7s ²	109 [277] Mt 𬭎 Meitnerium [Rn]5f ¹⁴ 6d ⁷ 7s ²	110 [281] Ds 𬭏 Darmstadtium [Rn]5f ¹⁴ 6d ⁸ 7s ²	111 [282] Rg 𬭐 Roentgenium [Rn]5f ¹⁴ 6d ⁹ 7s ²	112 [285] Cn 𬭑 Copernicium [Rn]5f ¹⁴ 6d ¹⁰ 7s ²	113 [286] Nh 𬭒 Nihonium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹	114 [289] Fl 𬭓 Flerovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ²	115 [290] Mc 𬭔 Moscovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ³	116 [293] Lv 𬭕 Livermorium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴	117 [294] Ts 𬭖 Tennessine [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵	118 [294] Og 𬭗 Oganesson [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶							

镧系

锕系

57 138.9 La 镧 Lanthanum [Xe]5d ¹ 6s ²	58 140.1 Ce 铈 Cerium [Xe]4f ¹ 5d ¹ 6s ²	59 140.9 Pr 镨 Praseodymium [Xe]4f ² 6s ²	60 144.2 Nd 钕 Neodymium [Xe]4f ⁴ 6s ²	61 [145] Pm 钷 Promethium [Xe]4f ⁵ 6s ²	62 150.4 Sm 钐 Samarium [Xe]4f ⁶ 6s ²	63 152.0 Eu 铕 Europium [Xe]4f ⁷ 6s ²	64 157.3 Gd 钆 Gadolinium [Xe]4f ⁷ 5d ¹ 6s ²	65 158.9 Tb 铽 Terbium [Xe]4f ⁹ 6s ²	66 162.5 Dy 镝 Dysprosium [Xe]4f ¹⁰ 6s ²	67 164.9 Ho 铈 Holmium [Xe]4f ¹¹ 6s ²	68 167.3 Er 铒 Erbium [Xe]4f ¹² 6s ²	69 168.9 Tm 铥 Thulium [Xe]4f ¹³ 6s ²	70 173.1 Yb 镱 Ytterbium [Xe]4f ¹⁴ 6s ²	71 175.0 Lu 镱 Lutetium [Xe]4f ¹⁴ 5d ¹ 6s ²
89 [227] Ac 锕 Actinium [Rn]6d ¹ 7s ²	90 232.0 Th 钍 Thorium [Rn]6d ² 7s ²	91 231.0 Pa 镤 Protactinium [Rn]5f ² 6d ¹ 7s ²	92 238.0 U 铀 Uranium [Rn]5f ³ 6d ¹ 7s ²	93 [237] Np 镎 Neptunium [Rn]5f ⁴ 6d ¹ 7s ²	94 [244] Pu 钚 Plutonium [Rn]5f ⁶ 7s ²	95 [243] Am 镅 Americium [Rn]5f ⁷ 7s ²	96 [247] Cm 锔 Curium [Rn]5f ⁷ 6d ¹ 7s ²	97 [247] Bk 锫 Berkelium [Rn]5f ⁹ 7s ²	98 [251] Cf 锿 Californium [Rn]5f ¹⁰ 7s ²	99 [252] Es 镱 Einsteinium [Rn]5f ¹¹ 7s ²	100 [252] Fm 镆 Fermium [Rn]5f ¹² 7s ²	101 [258] Md 镎 Mendelevium [Rn]5f ¹³ 7s ²	102 [259] No 镎 Nobelium [Rn]5f ¹⁴ 7s ²	103 [262] Lr 镎 Lawrencium [Rn]5f ¹⁴ 7s ² 7p ¹