

Periodic Table of the Elements

注: 相对原子质量取自2016国际原子量表, 并取4位有效数字。



族 IA ₁	化学符号 黑-普通 黑-放射性																Electron Configuration Blocks s d p f						0族 电子层 电子数		
1 IA ₁	原子序数 拼音 中文名称 元素名称 黑-普通 红-人造																26 Fe tiě 铁 Iron 3d ⁶ 4s ² 55.85 电子排布 原子量						2 He hài 氦 Helium 1s ² 4.003	K 2	
2 IIA ₂	3 Li lǐ 锂 Lithium 2s ¹ 6.941	4 Be pí 铍 Beryllium 2s ² 9.012																	5 B péng 硼 Boron 2s ² 2p ¹ 10.81	6 C tàn 碳 Carbon 2s ² 2p ² 12.01	7 N dàn 氮 Nitrogen 2s ² 2p ³ 14.01	8 O yǎng 氧 Oxygen 2s ² 2p ⁴ 16.00	9 F fú 氟 Fluorine 2s ² 2p ⁵ 19.00	10 Ne nǎi 氖 Neon 2s ² 2p ⁶ 20.18	L K 8 2
3	11 Na nà 钠 Sodium 3s ¹ 22.99	12 Mg měi 镁 Magnesium 3s ² 24.31	IIIB ₃	IVB ₄	VB ₅	VIB ₆	VIIIB ₇	8	VIIIB ₉	10	IB ₁₁	IIB ₁₂	13 Al lǚ 铝 Aluminium 3s ² 3p ¹ 26.98	14 Si guī 硅 Silicon 3s ² 3p ² 28.09	15 P lín 磷 Phosphorus 3s ² 3p ³ 30.97	16 S liú 硫 Sulfur 3s ² 3p ⁴ 32.06	17 Cl lù 氯 Chlorine 3s ² 3p ⁵ 35.45	18 Ar yà 氩 Argon 3s ² 3p ⁶ 39.95	M L K 8 8 2						
4	19 K jiǎ 钾 Potassium 4s ¹ 39.10	20 Ca gài 钙 Calcium 4s ² 40.08	21 Sc kàng 钪 Scandium 3d ¹ 4s ² 44.96	22 Ti tài 钛 Titanium 3d ² 4s ² 47.87	23 V fán 钒 Vanadium 3d ³ 4s ² 50.94	24 Cr gè 铬 Chromium 3d ⁵ 4s ¹ 52.00	25 Mn měng 锰 Manganese 3d ⁵ 4s ² 54.94	26 Fe tiě 铁 Iron 3d ⁶ 4s ² 55.85	27 Co gǔ 钴 Cobalt 3d ⁷ 4s ² 58.93	28 Ni niè 镍 Nickel 3d ⁸ 4s ² 58.69	29 Cu tóng 铜 Copper 3d ¹⁰ 4s ¹ 63.55	30 Zn xīn 锌 Zinc 3d ¹⁰ 4s ² 65.38	31 Ga jiǎ 镓 Gallium 4s ² 4p ¹ 69.72	32 Ge zhě 锗 Germanium 4s ² 4p ² 72.63	33 As shēn 砷 Arsenic 4s ² 4p ³ 74.92	34 Se xī 硒 Selenium 4s ² 4p ⁴ 78.96	35 Br xiù 溴 Bromine 4s ² 4p ⁵ 79.90	36 Kr kè 氪 Krypton 4s ² 4p ⁶ 83.80	N M L K 8 18 8 2						
5	37 Rb rú 铷 Rubidium 5s ¹ 85.47	38 Sr sī 锶 Strontium 5s ² 87.62	39 Y yī 钇 Yttrium 4d ¹ 5s ² 88.91	40 Zr gāo 锆 Zirconium 4d ² 5s ² 91.22	41 Nb ní 铌 Niobium 4d ⁴ 5s ¹ 92.91	42 Mo mù 钼 Molybdenum 4d ⁵ 5s ¹ 95.96	43 Tc dé 锝 Technetium 4d ⁵ 5s ² [98]	44 Ru liǎo 钌 Ruthenium 4d ⁷ 5s ¹ 101.1	45 Rh lǎo 铑 Rhodium 4d ⁸ 5s ¹ 102.9	46 Pd bǎ 钯 Palladium 4d ¹⁰ 106.4	47 Ag yín 银 Silver 4d ¹⁰ 5s ¹ 107.9	48 Cd gé 镉 Cadmium 4d ¹⁰ 5s ² 112.4	49 In yīn 铟 Indium 5s ² 5p ¹ 114.8	50 Sn xī 锡 Tin 5s ² 5p ² 118.7	51 Sb tǐ 锑 Antimony 5s ² 5p ³ 121.8	52 Te dì 碲 Tellurium 5s ² 5p ⁴ 127.6	53 I diàn 碘 Iodine 5s ² 5p ⁵ 126.9	54 Xe xiān 氙 Xenon 5s ² 5p ⁶ 131.3	O N M L K 8 18 18 8 2						
6	55 Cs sè 铯 Caesium 6s ¹ 132.9	56 Ba bèi 钡 Barium 6s ² 137.3	57~71 La~Lu Lanthanide	72 Hf hā 铪 Hafnium 5d ² 6s ² 178.5	73 Ta tǎn 钽 Tantalum 5d ³ 6s ² 180.9	74 W wū 钨 Tungsten 5d ⁴ 6s ² 183.8	75 Re lái 铼 Rhenium 5d ⁵ 6s ² 186.2	76 Os é 锇 Osmium 5d ⁶ 6s ² 190.2	77 Ir yī 铱 Iridium 5d ⁷ 6s ² 192.2	78 Pt bó 铂 Platinum 5d ⁹ 6s ¹ 195.1	79 Au jīn 金 Gold 5d ¹⁰ 6s ¹ 197.0	80 Hg gǒng 汞 Mercury 5d ¹⁰ 6s ² 200.6	81 Tl tā 铊 Thallium 6s ² 6p ¹ 204.4	82 Pb qiān 铅 Lead 6s ² 6p ² 207.2	83 Bi bì 铋 Bismuth 6s ² 6p ³ 209.0	84 Po pō 钋 Polonium 6s ² 6p ⁴ [209]	85 At ài 砹 Astatine 6s ² 6p ⁵ [210]	86 Rn dōng 氡 Radon 6s ² 6p ⁶ [222]	P O N M L K 8 18 32 18 8 2						
7	87 Fr fāng 钫 Francium 7s ¹ [223]	88 Ra lèi 镭 Radium 7s ² [226]	89~103 Ac~Lr Actinide	104 Rf lú 钿 Rutherfordium 6d ² 7s ² [265]	105 Db dù 𨨍 Dubnium 6d ³ 7s ² [268]	106 Sg xǐ 𨨆 Seaborgium 6d ⁴ 7s ² [271]	107 Bh bō 𨨇 Bohrium 6d ⁵ 7s ² [270]	108 Hs hēi 𨨈 Hassium 6d ⁶ 7s ² [277]	109 Mt mài 𨨉 Meitnerium 6d ⁷ 7s ² [276]	110 Ds dá 𨨊 Darmstadtium 6d ⁸ 7s ² [281]	111 Rg lún 𨨋 Roentgenium 6d ⁹ 7s ² [280]	112 Cn gē 𨨌 Copernicium 6d ¹⁰ 7s ² [285]	113 Nh nǐ 𨨍 Nihonium 6d ¹⁰ 7s ² 7p ¹ [284]	114 Fl fū 𨨎 Flerovium 7s ² 7p ² [289]	115 Mc mò 𨨏 Moscovium 7s ² 7p ³ [288]	116 Lv lì 𨨐 Livermorium 7s ² 7p ⁴ [293]	117 Ts tián 𨨑 Tennessee 7s ² 7p ⁵ [294]	118 Og ào 𨨒 Oganesson 7s ² 7p ⁶ [294]	Q P O N M L K 8 18 32 32 18 8 2						

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57 La lán 镧 Lanthanum 5d ¹ 6s ² 138.9	58 Ce shì 铈 Cerium 4f ¹ 5d ¹ 6s ² 140.1	59 Pr pǔ 镨 Praseodymium 4f ³ 6s ² 140.9	60 Nd nǚ 钕 Neodymium 4f ⁴ 6s ² 144.2	61 Pm pò 钷 Promethium 4f ⁵ 6s ² [145]	62 Sm shān 钐 Samarium 4f ⁶ 6s ² 150.4	63 Eu yōu 铕 Europium 4f ⁷ 6s ² 152.0	64 Gd gá 钆 Gadolinium 4f ⁷ 5d ¹ 6s ² 157.3	65 Tb tè 铽 Terbium 4f ⁹ 6s ² 158.9	66 Dy dī 镝 Dysprosium 4f ¹⁰ 6s ² 162.5	67 Ho huó 铈 Holmium 4f ¹¹ 6s ² 164.9	68 Er ěr 铒 Erbium 4f ¹² 6s ² 167.3	69 Tm diū 铥 Thulium 4f ¹³ 6s ² 168.9	70 Yb yì 镱 Ytterbium 4f ¹⁴ 6s ² 173.1	71 Lu lǚ 镱 Lutetium 4f ¹⁴ 5d ¹ 6s ² 175.0
89 Ac ā 锕 Actinium 6d ¹ 7s ² [227]	90 Th tǔ 钍 Thorium 6d ² 7s ² 232.0	91 Pa pú 镤 Protactinium 5f ² 6d ¹ 7s ² 231.0	92 U yóu 铀 Uranium 5f ³ 6d ¹ 7s ² 238.0	93 Np ná 镎 Neptunium 5f ⁴ 6d ¹ 7s ² [237]	94 Pu bù 钷 Plutonium 5f ⁶ 7s ² [244]	95 Am méi 镅 Americium 5f ⁷ 7s ² [243]	96 Cm jú 锔 Curium 5f ⁸ 6d ¹ 7s ² [247]	97 Bk péi 锫 Berkelium 5f ⁹ 7s ² [247]	98 Cf kāi 锿 Californium 5f ¹⁰ 7s ² [251]	99 Es āi 镱 Einsteinium 5f ¹¹ 7s ² [252]	100 Fm fèi 镆 Fermium 5f ¹² 7s ² [257]	101 Md mén 镈 Mendelevium 5f ¹³ 7s ² [258]	102 No nuò 镎 Nobelium 5f ¹⁴ 7s ² [259]	103 Lr láo 镥 Lawrencium 5f ¹⁴ 7s ² 7p ¹ [262]