

Periodic Table of the Elements

註：相對原子質量取自2016國際原子量表，並取4位有效數字。



version 1.1 TC
by 247 687 907
present by LTG

族		IA ₁																0 ₁₈		0族	
週期																		電子層		電子數	
1		1 H 1s ¹ 1.008 氫 Hydrogen																2 He 1s ² 4.003 氦 Helium	K	2	
2		3 Li 2s ¹ 6.941 鋰 Lithium	4 Be 2s ² 9.012 鈹 Beryllium															10 Ne 2s ² 2p ⁶ 20.18 氖 Neon	L K	8 2	
3		11 Na 3s ¹ 22.99 鈉 Sodium	12 Mg 3s ² 24.31 鎂 Magnesium	III B ₃	IV B ₄	V B ₅	V I B ₆	V II B ₇	8	V III B ₉	10	I B ₁₁	I I B ₁₂	13 Al 3s ² 3p ¹ 26.98 鋁 Aluminium	14 Si 3s ² 3p ² 28.09 矽 Silicon	15 P 3s ² 3p ³ 30.97 磷 Phosphorus	16 S 3s ² 3p ⁴ 32.06 硫 Sulfur	17 Cl 3s ² 3p ⁵ 35.45 氯 Chlorine	18 Ar 3s ² 3p ⁶ 39.95 氬 Argon	M L K	8 8 2
4		19 K 4s ¹ 39.10 鉀 Potassium	20 Ca 4s ² 40.08 鈣 Calcium	21 Sc 3d ¹ 4s ² 44.96 鈦 Scandium	22 Ti 3d ² 4s ² 47.87 鈦 Titanium	23 V 3d ³ 4s ² 50.94 鈎 Vanadium	24 Cr 3d ⁵ 4s ¹ 52.00 鉻 Chromium	25 Mn 3d ⁵ 4s ² 54.94 錳 Manganese	26 Fe 3d ⁶ 4s ² 55.85 鐵 Iron	27 Co 3d ⁷ 4s ² 58.93 鈷 Cobalt	28 Ni 3d ⁸ 4s ² 58.69 鎳 Nickel	29 Cu 3d ¹⁰ 4s ¹ 63.55 銅 Copper	30 Zn 3d ¹⁰ 4s ² 65.38 鋅 Zinc	31 Ga 4s ² 4p ¹ 69.72 鎵 Gallium	32 Ge 4s ² 4p ² 72.63 矽 Germanium	33 As 4s ² 4p ³ 74.92 砷 Arsenic	34 Se 4s ² 4p ⁴ 78.96 硒 Selenium	35 Br 4s ² 4p ⁵ 79.90 溴 Bromine	36 Kr 4s ² 4p ⁶ 83.80 氬 Krypton	N M L K	8 18 8 2
5		37 Rb 5s ¹ 85.47 鉀 Rubidium	38 Sr 5s ² 87.62 銣 Strontium	39 Y 4d ¹ 5s ² 88.91 釔 Yttrium	40 Zr 4d ² 5s ² 91.22 鈷 Zirconium	41 Nb 4d ⁴ 5s ¹ 92.91 鈮 Niobium	42 Mo 4d ⁵ 5s ¹ 95.96 鉬 Molybdenum	43 Tc 4d ⁵ 5s ² [98] 錳 Technetium	44 Ru 4d ⁷ 5s ¹ 101.1 鈳 Ruthenium	45 Rh 4d ⁸ 5s ¹ 102.9 銠 Rhodium	46 Pd 4d ¹⁰ 106.4 鈀 Palladium	47 Ag 4d ¹⁰ 5s ¹ 107.9 銀 Silver	48 Cd 4d ¹⁰ 5s ² 112.4 鎘 Cadmium	49 In 5s ² 5p ¹ 114.8 銦 Indium	50 Sn 5s ² 5p ² 118.7 錫 Tin	51 Sb 5s ² 5p ³ 121.8 銻 Antimony	52 Te 5s ² 5p ⁴ 127.6 碲 Tellurium	53 I 5s ² 5p ⁵ 126.9 碘 Iodine	54 Xe 5s ² 5p ⁶ 131.3 氙 Xenon	O N M L K	8 18 18 8 2
6		55 Cs 6s ¹ 132.9 銣 Caesium	56 Ba 6s ² 137.3 鋇 Barium	57~71 La~Lu Lanthanide	72 Hf 5d ² 6s ² 178.5 鈷 Hafnium	73 Ta 5d ³ 6s ² 180.9 鉭 Tantalum	74 W 5d ⁴ 6s ² 183.8 鎢 Tungsten	75 Re 5d ⁵ 6s ² 186.2 銻 Rhenium	76 Os 5d ⁶ 6s ² 190.2 銱 Osmium	77 Ir 5d ⁷ 6s ² 192.2 銱 Iridium	78 Pt 5d ⁹ 6s ¹ 195.1 鉑 Platinum	79 Au 5d ¹⁰ 6s ¹ 197.0 金 Gold	80 Hg 5d ¹⁰ 6s ² 200.6 汞 Mercury	81 Tl 6s ² 6p ¹ 204.4 鉈 Thallium	82 Pb 6s ² 6p ² 207.2 鉛 Lead	83 Bi 6s ² 6p ³ 209.0 鉍 Bismuth	84 Po 6s ² 6p ⁴ [209] 鉈 Polonium	85 At 6s ² 6p ⁵ [210] 砒 Astatine	86 Rn 6s ² 6p ⁶ [222] 氡 Radon	P O N M L K	8 18 32 18 8 2
7		87 Fr 7s ¹ [223] 鈾 Francium	88 Ra 7s ² [226] 鐳 Radium	89~103 Ac~Lr Actinide	104 Rf 6d ² 7s ² [265] 鑪 Rutherfordium	105 Db 6d ³ 7s ² [268] 𨭎 Dubnium	106 Sg 6d ⁴ 7s ² [271] 𨭏 Seaborgium	107 Bh 6d ⁵ 7s ² [270] 鰐 Bohrium	108 Hs 6d ⁶ 7s ² [277] 鰐 Hassium	109 Mt 6d ⁷ 7s ² [276] 鰐 Meitnerium	110 Ds 6d ⁸ 7s ² [281] 鰐 Darmstadtium	111 Rg 6d ⁹ 7s ² [280] 鰐 Roentgenium	112 Cn 6d ¹⁰ 7s ² [285] 鰐 Copernicium	113 Nh 6d ¹⁰ 7s ² 7p ¹ [284] 鰐 Nihonium	114 Fl 7s ² 7p ² [289] 鰐 Flerovium	115 Mc 7s ² 7p ³ [288] 鰐 Moscovium	116 Lv 7s ² 7p ⁴ [293] 鰐 Livermorium	117 Ts 7s ² 7p ⁵ [294] 鰐 Tennessine	118 Og 7s ² 7p ⁶ [294] 鰐 Oganesson	Q P O N M L K	8 18 32 32 18 8 2

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57 La 4f ¹ 6s ² 138.9 鐳 Lanthanum	58 Ce 4f ¹ 5d ¹ 6s ² 140.1 鈾 Cerium	59 Pr 4f ³ 6s ² 140.9 鐳 Praseodymium	60 Nd 4f ⁴ 6s ² 144.2 鈳 Neodymium	61 Pm 4f ⁵ 6s ² [145] 鉅 Promethium	62 Sm 4f ⁶ 6s ² 150.4 鈿 Samarium	63 Eu 4f ⁷ 6s ² 152.0 鈳 Europium	64 Gd 4f ⁷ 5d ¹ 6s ² 157.3 鈳 Gadolinium	65 Tb 4f ⁹ 6s ² 158.9 鈳 Terbium	66 Dy 4f ¹⁰ 6s ² 162.5 鐳 Dysprosium	67 Ho 4f ¹¹ 6s ² 164.9 鈳 Holmium	68 Er 4f ¹² 6s ² 167.3 鈳 Erbium	69 Tm 4f ¹³ 6s ² 168.9 鈳 Thulium	70 Yb 4f ¹⁴ 6s ² 173.1 鐳 Ytterbium	71 Lu 4f ¹⁴ 5d ¹ 6s ² 175.0 鐳 Lutetium
89 Ac 6d ¹ 7s ² [227] 鐳 Actinium	90 Th 5f ¹ 6d ¹ 7s ² 232.0 鈳 Thorium	91 Pa 5f ² 6d ¹ 7s ² 231.0 鐳 Protactinium	92 U 5f ³ 6d ¹ 7s ² 238.0 鈳 Uranium	93 Np 5f ⁴ 6d ¹ 7s ² [237] 鈳 Neptunium	94 Pu 5f ⁶ 7s ² [244] 鈳 Plutonium	95 Am 5f ⁷ 7s ² [243] 鈳 Americium	96 Cm 5f ⁷ 6d ¹ 7s ² [247] 鈳 Curium	97 Bk 5f ⁹ 7s ² [247] 鈳 Berkelium	98 Cf 5f ¹⁰ 7s ² [251] 鈳 Californium	99 Es 5f ¹¹ 7s ² [252] 鈳 Einsteinium	100 Fm 5f ¹² 7s ² [257] 鈳 Fermium	101 Md 5f ¹³ 7s ² [258] 鈳 Mendelevium	102 No 5f ¹⁴ 7s ² [259] 鈳 Nobelium	103 Lr 5f ¹⁴ 7s ² 7p ¹ [262] 鈳 Lawrencium