

English-Chinese Periodic Table of Elements 英漢元素周期表

1 / Ia																			18 / VIIIA																																
1 H hydrogen 1.0079 1s ¹																		2 He helium 4.0026 1s ²																																	
2 / IIa																		13 / IIIa	14 / IVa	15 / Va	16 / VIA	17 / VIIa																													
3 Li lithium 6.941 [He]2s ¹	4 Be beryllium 9.0122 [He]2s ²															5 B boron 10.811 [He]2s ² 2p ¹	6 C carbon 12.011 [He]2s ² 2p ²	7 N nitrogen 14.007 [He]2s ² 2p ³	8 O oxygen 15.999 [He]2s ² 2p ⁴	9 F fluorine 18.998 [He]2s ² 2p ⁵	10 Ne neon 20.180 [He]2s ² 2p ⁶																														
atomic num 元素 symbol oxidation states element name atomic weight electron configuration																		11 Na sodium 22.990 [Ne]3s ¹	12 Mg magnesium 24.305 [Ne]3s ²																	13 Al aluminum 26.982 [Ne]3s ² 3p ¹	14 Si silicon 28.086 [Ne]3s ² 3p ²	15 P phosphorus 30.974 [Ne]3s ² 3p ³	16 S sulfur 32.065 [Ne]3s ² 3p ⁴	17 Cl chlorine 35.453 [Ne]3s ² 3p ⁵	18 Ar argon 39.948 [Ne]3s ² 3p ⁶										
																		19 K potassium 39.098 [Ar]4s ¹	20 Ca calcium 40.078 [Ar]4s ²																	21 Sc scandium 44.956 [Ar]4s ² 3d ¹	22 Ti titanium 47.867 [Ar]4s ² 3d ²	23 V vanadium 50.942 [Ar]4s ² 3d ³	24 Cr chromium 51.996 [Ar]4s ¹ 3d ⁵	25 Mn manganese 54.938 [Ar]4s ² 3d ⁵	26 Fe iron 55.845 [Ar]4s ² 3d ⁶	27 Co cobalt 58.933 [Ar]4s ² 3d ⁷	28 Ni nickel 58.693 [Ar]4s ² 3d ⁸	29 Cu copper 63.546 [Ar]4s ¹ 3d ¹⁰	30 Zn zinc 65.409 [Ar]4s ² 3d ¹⁰	31 Ga gallium 69.723 [Ar]4s ² 3d ¹⁰ 4p ¹	32 Ge germanium 72.64 [Ar]4s ² 3d ¹⁰ 4p ²	33 As arsenic 74.922 [Ar]4s ² 3d ¹⁰ 4p ³	34 Se selenium 78.96 [Ar]4s ² 3d ¹⁰ 4p ⁴	35 Br bromine 79.904 [Ar]4s ² 3d ¹⁰ 4p ⁵	36 Kr krypton 83.798 [Ar]4s ² 3d ¹⁰ 4p ⁶
																		37 Rb rubidium 85.468 [Kr]5s ¹	38 Sr strontium 87.62 [Kr]5s ²																	39 Y yttrium 88.906 [Kr]5s ² 4d ¹	40 Zr zirconium 91.224 [Kr]5s ² 4d ²	41 Nb niobium 92.906 [Kr]5s ¹ 4d ⁴	42 Mo molybdenum 95.94 [Kr]5s ¹ 4d ⁵	43 Tc technetium 101.07 [Kr]5s ² 4d ⁵	44 Ru ruthenium 101.07 [Kr]5s ¹ 4d ⁷	45 Rh rhodium 102.91 [Kr]5s ¹ 4d ⁸	46 Pd palladium 106.42 [Kr]4d ¹⁰	47 Ag silver 107.87 [Kr]5s ¹ 4d ¹⁰	48 Cd cadmium 112.41 [Kr]5s ² 4d ¹⁰	49 In indium 114.82 [Kr]5s ² 4d ¹⁰ 5p ¹	50 Sn tin 118.71 [Kr]5s ² 4d ¹⁰ 5p ²	51 Sb antimony 121.76 [Kr]5s ² 4d ¹⁰ 5p ³	52 Te tellurium 127.60 [Kr]5s ² 4d ¹⁰ 5p ⁴	53 I iodine 126.90 [Kr]5s ² 4d ¹⁰ 5p ⁵	54 Xe xenon 131.29 [Kr]5s ² 4d ¹⁰ 5p ⁶
																		55 Cs cesium 132.905 [Xe]6s ¹	56 Ba barium 137.327 [Xe]6s ²																	71 Lu lutetium 174.97 [Xe]6s ² 4f ¹⁴ 5d ¹	72 Hf hafnium 178.49 [Xe]6s ² 4f ¹⁴ 5d ²	73 Ta tantalum 180.95 [Xe]6s ² 4f ¹⁴ 5d ³	74 W tungsten 183.84 [Xe]6s ² 4f ¹⁴ 5d ⁴	75 Re rhenium 186.21 [Xe]6s ² 4f ¹⁴ 5d ⁵	76 Os osmium 190.23 [Xe]6s ² 4f ¹⁴ 5d ⁶	77 Ir iridium 192.22 [Xe]6s ² 4f ¹⁴ 5d ⁷	78 Pt platinum 195.08 [Xe]6s ¹ 4f ¹⁴ 5d ⁹	79 Au gold 196.97 [Xe]6s ¹ 4f ¹⁴ 5d ¹⁰	80 Hg mercury 200.59 [Xe]6s ² 4f ¹⁴ 5d ¹⁰	81 Tl thallium 204.38 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ¹	82 Pb lead 207.2 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ²	83 Bi bismuth 208.98 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ³	84 Po polonium [209] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁴	85 At astatine [210] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁵	86 Rn radon [222] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁶
																		87 Fr francium [223] [Rn]7s ¹	88 Ra radium [226] [Rn]7s ²																	103 Lr lawrencium [262] [Rn]7s ² 5f ¹⁴ 6d ¹	104 Rf rutherfordium [261] [Rn]7s ² 5f ¹⁴ 6d ²	105 Pb dubnium [268] [Rn]7s ² 5f ¹⁴ 6d ³	106 Sg seaborgium [271] [Rn]7s ² 5f ¹⁴ 6d ⁴	107 Bh bohrium [270] [Rn]7s ² 5f ¹⁴ 6d ⁵	108 Hs hassium [277] [Rn]7s ² 5f ¹⁴ 6d ⁶	109 Mt meitnerium [276] [Rn]7s ² 5f ¹⁴ 6d ⁷	110 Ds darmstadtium [281] [Rn]7s ² 5f ¹⁴ 6d ⁸	111 Rg roentgenium [282] [Rn]7s ² 5f ¹⁴ 6d ⁹	112 Cn copernicium [285] [Rn]7s ² 5f ¹⁴ 6d ¹⁰	113 Nh nihonium [285] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ¹	114 Fl flerovium [289] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ²	115 Mc moscovium [289] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ³	116 Lv livermorium [293] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁴	117 Ts tennessine [294] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁵	118 Og oganeson [294] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁶

57-70
lanthanoids
鐳系元素

57 La lanthanum 138.91 [Xe]6s ² 5d ¹	58 Ce cerium 140.12 [Xe]6s ² 4f ¹ 5d ¹	59 Pr praseodymium 140.91 [Xe]6s ² 4f ³	60 Nd neodymium 144.24 [Xe]6s ² 4f ⁴	61 Pm promethium [145] [Xe]6s ² 4f ⁵	62 Sm samarium 150.36 [Xe]6s ² 4f ⁶	63 Eu europium 151.96 [Xe]6s ² 4f ⁷	64 Gd gadolinium 157.25 [Xe]6s ² 4f ⁷ 5d ¹	65 Tb terbium 158.93 [Xe]6s ² 4f ⁹	66 Dy dysprosium 162.50 [Xe]6s ² 4f ¹⁰	67 Ho holmium 164.93 [Xe]6s ² 4f ¹¹	68 Er erbium 167.26 [Xe]6s ² 4f ¹²	69 Tm thulium 168.93 [Xe]6s ² 4f ¹³	70 Yb ytterbium 173.04 [Xe]6s ² 4f ¹⁴
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actinoids
錒系元素

89 Ac actinium [227] [Rn]7s ² 6d ¹	90 Th thorium 232.04 [Rn]7s ² 6d ²	91 Pa protactinium 231.04 [Rn]7s ² 5f ² 6d ¹	92 U uranium 238.03 [Rn]7s ² 5f ³ 6d ¹	93 Np neptunium [237] [Rn]7s ² 5f ⁴ 6d ¹	94 Pu plutonium [244] [Rn]7s ² 5f ⁶	95 Am americium [243] [Rn]7s ² 5f ⁷	96 Cm curium [247] [Rn]7s ² 5f ⁷ 6d ¹	97 Bk berkelium [247] [Rn]7s ² 5f ⁹	98 Cf californium [251] [Rn]7s ² 5f ¹⁰	99 Es einsteinium [252] [Rn]7s ² 5f ¹¹	100 Fm fermium [257] [Rn]7s ² 5f ¹²	101 Md mendelevium [258] [Rn]7s ² 5f ¹³	102 No nobelium [259] [Rn]7s ² 5f ¹⁴
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atomic num 元素
symbol oxidation states
 element name
 atomic weight
 electron configuration

Solid
 Liquid
 Gas
 Synthetic
 Unknown

57-70 lanthanoids 鐳系元素

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