

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

1 <b>H</b> hydrogen 1.008 1s1																	2 <b>He</b> helium 4.003 1s2																
3 <b>Li</b> lithium 6.941 He 2s1	4 <b>Be</b> beryllium 9.012 He 2s2	<table border="1"> <tr> <td>alkalai metals</td> <td>alkaline earths</td> <td>lanthanide</td> <td>actinide</td> <td>transition metals</td> </tr> <tr> <td>other metals</td> <td>semi-metals</td> <td>non-metals</td> <td>halogens</td> <td>noble gases</td> </tr> </table>																alkalai metals	alkaline earths	lanthanide	actinide	transition metals	other metals	semi-metals	non-metals	halogens	noble gases	5 <b>B</b> boron 10.811 He 2s2 2p1	6 <b>C</b> carbon 12.011 He 2s2 2p2	7 <b>N</b> nitrogen 14.007 He 2s2 2p3	8 <b>O</b> oxygen 16.000 He 2s2 2p4	9 <b>F</b> fluorine 19.000 He 2s2 2p5	10 <b>Ne</b> neon 20.180 He 2s2 2p6
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other metals	semi-metals	non-metals	halogens	noble gases																													
11 <b>Na</b> sodium 22.990 Ne 3s1	12 <b>Mg</b> magnesium 24.305 Ne 3s2	<table border="1"> <tr> <td>atomic num 元素</td> <td>symbol</td> <td>element name</td> <td>atomic weight</td> <td>electron configuration</td> </tr> </table>																atomic num 元素	symbol	element name	atomic weight	electron configuration	13 <b>Al</b> aluminum 26.982 Ne 3s2 3p1	14 <b>Si</b> silicon 28.086 Ne 3s2 3p2	15 <b>P</b> phosphorus 30.974 Ne 3s2 3p3	16 <b>S</b> sulfur 32.065 Ne 3s2 3p4	17 <b>Cl</b> chlorine 35.453 Ne 3s2 3p5	18 <b>Ar</b> argon 39.948 Ne 3s2 3p6					
atomic num 元素	symbol	element name	atomic weight	electron configuration																													
19 <b>K</b> potassium 39.098 Ar 4s1	20 <b>Ca</b> calcium 40.078 Ar 4s2	21 <b>Sc</b> scandium 44.956 Ar 4s2 3d1	22 <b>Ti</b> titanium 47.867 Ar 4s2 3d2	23 <b>V</b> vanadium 50.942 Ar 4s2 3d3	24 <b>Cr</b> chromium 51.996 Ar 4s1 3d5	25 <b>Mn</b> manganese 54.938 Ar 4s2 3d5	26 <b>Fe</b> iron 55.845 Ar 4s2 3d6	27 <b>Co</b> cobalt 58.933 Ar 4s2 3d7	28 <b>Ni</b> nickel 58.693 Ar 4s2 3d8	29 <b>Cu</b> copper 63.546 Ar 4s1 3d10	30 <b>Zn</b> zinc 65.39 Ar 4s2 3d10	31 <b>Ga</b> gallium 69.723 Ar 4s2 3d10 4p1	32 <b>Ge</b> germanium 72.61 Ar 4s2 3d10 4p2	33 <b>As</b> arsenic 74.922 Ar 4s2 3d10 4p3	34 <b>Se</b> selenium 78.96 Ar 4s2 3d10 4p4	35 <b>Br</b> bromine 79.904 Ar 4s2 3d10 4p5	36 <b>Kr</b> krypton 83.80 Ar 4s2 3d10 4p6																
37 <b>Rb</b> rubidium 85.468 Kr 5s1	38 <b>Sr</b> strontium 87.62 Kr 5s2	39 <b>Y</b> yttrium 88.906 Kr 5s2 4d1	40 <b>Zr</b> zirconium 91.24 Kr 5s2 4d2	41 <b>Nb</b> niobium 92.906 Kr 5s1 4d4	42 <b>Mo</b> molybdenum 95.54 Kr 5s1 4d5	43 <b>Tc</b> technetium [98] Kr 5s2 4d5	44 <b>Ru</b> ruthenium 101.07 Kr 5s1 4d7	45 <b>Rh</b> rhodium 102.91 Kr 5s1 4d8	46 <b>Pd</b> palladium 106.42 Kr 4d10	47 <b>Ag</b> silver 107.87 Kr 5s1 4d10	48 <b>Cd</b> cadmium 112.41 Kr 5s2 4d10	49 <b>In</b> indium 114.82 Kr 5s2 4d10 5p1	50 <b>Sn</b> tin 118.71 Kr 5s2 4d10 5p2	51 <b>Sb</b> antimony 121.76 Kr 5s2 4d10 5p3	52 <b>Te</b> tellurium 127.60 Kr 5s2 4d10 5p4	53 <b>I</b> iodine 126.90 Kr 5s2 4d10 5p5	54 <b>Xe</b> xenon 131.29 Kr 5s2 4d10 5p6																
55 <b>Cs</b> cesium 132.91 Xe 6s1	56 <b>Ba</b> barium 137.33 Xe 6s2	71 <b>Lu</b> lutetium 174.97 Xe 6s2 4f14 5d1	72 <b>Hf</b> hafnium 178.49 Xe 6s2 4f14 5d2	73 <b>Ta</b> tantalum 180.95 Xe 6s2 4f14 5d3	74 <b>W</b> tungsten 183.84 Xe 6s2 4f14 5d4	75 <b>Re</b> rhenium 186.21 Xe 6s2 4f14 5d5	76 <b>Os</b> osmium 190.23 Xe 6s2 4f14 5d6	77 <b>Ir</b> iridium 192.22 Xe 6s2 4f14 5d7	78 <b>Pt</b> platinum 195.08 Xe 6s1 4f14 5d9	79 <b>Au</b> gold 196.97 Xe 6s1 4f14 5d10	80 <b>Hg</b> mercury 200.59 Xe 6s2 4f14 5d10	81 <b>Tl</b> thallium 204.38 Xe 6s2 4f14 5d10 6p1	82 <b>Pb</b> lead 207.2 Xe 6s2 4f14 5d10 6p2	83 <b>Bi</b> bismuth 208.98 Xe 6s2 4f14 5d10 6p3	84 <b>Po</b> polonium [209] Xe 6s2 4f14 5d10 6p4	85 <b>At</b> astatine [210] Xe 6s2 4f14 5d10 6p5	86 <b>Rn</b> radon [222] Xe 6s2 4f14 5d10 6p6																
87 <b>Fr</b> francium [223] Rn 7s1	88 <b>Ra</b> radium [226] Rn 7s2	103 <b>Lr</b> lawrencium [262] Rn 7s2 5f14 6d1	104 <b>Rf</b> rutherfordium [261] Rn 7s2 5f14 6d2	105 <b>Db</b> dubnium [262] Rn 7s2 5f14 6d3	106 <b>Sg</b> seaborgium [266] Rn 7s2 5f14 6d4	107 <b>Bh</b> bohrium [264] Rn 7s2 5f14 6d5	108 <b>Hs</b> hassium [269] Rn 7s2 5f14 6d6	109 <b>Mt</b> meitnerium [268] Rn 7s2 5f14 6d7	110 <b>Ds</b> darmstadtium [281] Rn 7s1 5f14 6d9	111 <b>Rg</b> roentgenium [272] Rn 7s1 5f14 6d10	112 <b>Uub</b> ununbium [285] Rn 7s2 5f14 6d10	113 <b>Uut</b> ununtrium [284] Rn 7s2 5f14 6d10 7p1	114 <b>Uuq</b> ununquadium [289] Rn 7s2 5f14 6d10 7p2	115 <b>Uup</b> ununpentium [288] Rn 7s2 5f14 6d10 7p3	116 <b>Uuh</b> ununhexium [292] Rn 7s2 5f14 6d10 7p4	117 <b>Uus</b> ununseptium not known Rn 7s2 5f14 6d10 7p5	118 <b>Uuo</b> ununoctium [294] Rn 7s2 5f14 6d10 7p6																

57-70  
lanthanoids  
鐳系元素

57 <b>La</b> lanthanum 138.91 Xe 6s2 5d1	58 <b>Ce</b> cerium 140.12 Xe 6s2 4f1 5d1	59 <b>Pr</b> praseodymium 140.91 Xe 6s2 4f3	60 <b>Nd</b> neodymium 144.24 Xe 6s2 4f4	61 <b>Pm</b> promethium [145] Xe 6s2 4f5	62 <b>Sm</b> samarium 150.36 Xe 6s2 4f6	63 <b>Eu</b> europium 151.96 Xe 6s2 4f7	64 <b>Gd</b> gadolinium 157.25 Xe 6s2 4f7 5d1	65 <b>Tb</b> terbium 158.93 Xe 6s2 4f9	66 <b>Dy</b> dysprosium 162.50 Xe 6s2 4f10	67 <b>Ho</b> holmium 164.93 Xe 6s2 4f11	68 <b>Er</b> erbium 167.26 Xe 6s2 4f12	69 <b>Tm</b> thulium 168.93 Xe 6s2 4f13	70 <b>Yb</b> ytterbium 173.04 Xe 6s2 4f14
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89-102  
actinoids  
錒系元素

89 <b>Ac</b> actinium [227] Rn 7s2 6d1	90 <b>Th</b> thorium 232.04 Rn 7s2 6d2	91 <b>Pa</b> protactinium 231.04 Rn 7s2 5f2 6d1	92 <b>U</b> uranium 238.03 Rn 7s2 5f3 6d1	93 <b>Np</b> neptunium [237] Rn 7s2 5f4 6d1	94 <b>Pu</b> plutonium [244] Rn 7s2 5f6	95 <b>Am</b> americium [243] Rn 7s2 5f7	96 <b>Cm</b> curium [247] Rn 7s2 5f7 6d1	97 <b>Bk</b> berkelium [247] Rn 7s2 5f9	98 <b>Cf</b> californium [251] Rn 7s2 5f10	99 <b>Es</b> einsteinium [252] Rn 7s2 5f11	100 <b>Fm</b> fermium [257] Rn 7s2 5f12	101 <b>Md</b> mendelevium [258] Rn 7s2 5f13	102 <b>No</b> nobelium [259] Rn 7s2 5f14
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89 <b>Ac</b> actinium [227] Rn 7s2 6d1	90 <b>Th</b> thorium 232.04 Rn 7s2 6d2	91 <b>Pa</b> protactinium 231.04 Rn 7s2 5f2 6d1	92 <b>U</b> uranium 238.03 Rn 7s2 5f3 6d1	93 <b>Np</b> neptunium [237] Rn 7s2 5f4 6d1	94 <b>Pu</b> plutonium [244] Rn 7s2 5f6	95 <b>Am</b> americium [243] Rn 7s2 5f7	96 <b>Cm</b> curium [247] Rn 7s2 5f7 6d1	97 <b>Bk</b> berkelium [247] Rn 7s2 5f9	98 <b>Cf</b> californium [251] Rn 7s2 5f10	99 <b>Es</b> einsteinium [252] Rn 7s2 5f11	100 <b>Fm</b> fermium [257] Rn 7s2 5f12	101 <b>Md</b> mendelevium [258] Rn 7s2 5f13	102 <b>No</b> nobelium [259] Rn 7s2 5f14

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