

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

1 / Ia										18 / VIIa																																																													
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atomic num 元素
symbol
element name
atomic weight
electron configuration

Solid Liquid Gas Synthetic

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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89-102
actinoids
錒系元素

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3	鋰	4	鈹																	5	硼	6	碳	7	氮	8	氧	9	氟	10	氖				
Li	lithium 6.941 [He]2s ¹	Be	beryllium 9.0122 [He]2s ²																	B	boron 10.811 [He]2s ² 2p ¹	C	carbon 12.011 [He]2s ² 2p ²	N	nitrogen 14.007 [He]2s ² 2p ³	O	oxygen 15.999 [He]2s ² 2p ⁴	F	fluorine 18.998 [He]2s ² 2p ⁵	Ne	neon 20.180 [He]2s ² 2p ⁶				
atomic num 元素 symbol element name atomic weight electron configuration				11	鈉	12	鎂																	13	鋁	14	矽	15	磷	16	硫	17	氯	18	氬
				Na	sodium 22.990 [Ne]3s ¹	Mg	magnesium 24.305 [Ne]3s ²																	Al	aluminum 26.982 [Ne]3s ² 3p ¹	Si	silicon 28.086 [Ne]3s ² 3p ²	P	phosphorus 30.974 [Ne]3s ² 3p ³	S	sulfur 32.065 [Ne]3s ² 3p ⁴	Cl	chlorine 35.453 [Ne]3s ² 3p ⁵	Ar	argon 39.948 [Ne]3s ² 3p ⁶
19	鉀	20	鈣	21	鈾	22	鈦	23	鈮	24	鉻	25	錳	26	鐵	27	鈷	28	鎳	29	銅	30	鋅	31	鎵	32	鍺	33	砷	34	硒	35	溴	36	氙
K	potassium 39.098 [Ar]4s ¹	Ca	calcium 40.078 [Ar]4s ²	Sc	scandium 44.956 [Ar]4s ² 3d ¹	Ti	titanium 47.867 [Ar]4s ² 3d ²	V	vanadium 50.942 [Ar]4s ² 3d ³	Cr	chromium 51.996 [Ar]4s ¹ 3d ⁵	Mn	manganese 54.938 [Ar]4s ² 3d ⁵	Fe	iron 55.845 [Ar]4s ² 3d ⁶	Co	cobalt 58.933 [Ar]4s ² 3d ⁷	Ni	nickel 58.693 [Ar]4s ² 3d ⁸	Cu	copper 63.546 [Ar]4s ¹ 3d ¹⁰	Zn	zinc 65.409 [Ar]4s ² 3d ¹⁰	Ga	gallium 69.723 [Ar]4s ² 3d ¹⁰ 4p ¹	Ge	germanium 72.64 [Ar]4s ² 3d ¹⁰ 4p ²	As	arsenic 74.922 [Ar]4s ² 3d ¹⁰ 4p ³	Se	selenium 78.96 [Ar]4s ² 3d ¹⁰ 4p ⁴	Br	bromine 79.904 [Ar]4s ² 3d ¹⁰ 4p ⁵	Kr	krypton 83.798 [Ar]4s ² 3d ¹⁰ 4p ⁶
37	鉀	38	銣	39	鈾	40	鈳	41	鈮	42	鉬	43	錳	44	鈦	45	銻	46	鈹	47	銀	48	鎘	49	銦	50	錫	51	銻	52	碲	53	碘	54	氙
Rb	rubidium 85.468 [Kr]5s ¹	Sr	strontium 87.62 [Kr]5s ²	Y	yttrium 88.906 [Kr]5s ² 4d ¹	Zr	zirconium 91.224 [Kr]5s ² 4d ²	Nb	niobium 92.906 [Kr]5s ¹ 4d ⁴	Mo	molybdenum 95.94 [Kr]5s ¹ 4d ⁵	Tc	technetium [98] [Kr]5s ¹ 4d ⁵	Ru	ruthenium 101.07 [Kr]5s ¹ 4d ⁷	Rh	rhodium 102.91 [Kr]5s ¹ 4d ⁸	Pd	palladium 106.42 [Kr]4d ¹⁰	Ag	silver 107.87 [Kr]5s ¹ 4d ¹⁰	Cd	cadmium 112.41 [Kr]5s ² 4d ¹⁰	In	indium 114.82 [Kr]5s ² 4d ¹⁰ 5p ¹	Sn	tin 118.71 [Kr]5s ² 4d ¹⁰ 5p ²	Sb	antimony 121.76 [Kr]5s ² 4d ¹⁰ 5p ³	Te	tellurium 127.60 [Kr]5s ² 4d ¹⁰ 5p ⁴	I	iodine 126.90 [Kr]5s ² 4d ¹⁰ 5p ⁵	Xe	xenon 131.29 [Kr]5s ² 4d ¹⁰ 5p ⁶
55	銣	56	鋇	71	鑪	72	鈳	73	鉭	74	鎢	75	錳	76	鐵	77	銻	78	鉑	79	金	80	汞	81	銻	82	鉛	83	鉍	84	鈾	85	砒	86	氡
Cs	cesium 132.905 [Xe]6s ¹	Ba	barium 137.327 [Xe]6s ²	Lu	lutetium 174.97 [Xe]6s ² 4f ¹⁴ 5d ¹	Hf	hafnium 178.49 [Xe]6s ² 4f ¹⁴ 5d ²	Ta	tantalum 180.95 [Xe]6s ² 4f ¹⁴ 5d ³	W	tungsten 183.84 [Xe]6s ² 4f ¹⁴ 5d ⁴	Re	rhenium 186.21 [Xe]6s ² 4f ¹⁴ 5d ⁵	Os	osmium 190.23 [Xe]6s ² 4f ¹⁴ 5d ⁶	Ir	iridium 192.22 [Xe]6s ² 4f ¹⁴ 5d ⁷	Pt	platinum 195.08 [Xe]6s ² 4f ¹⁴ 5d ⁹	Au	gold 196.97 [Xe]6s ¹ 4f ¹⁴ 5d ¹⁰	Hg	mercury 200.59 [Xe]6s ² 4f ¹⁴ 5d ¹⁰	Tl	thallium 204.38 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ¹	Pb	lead 207.2 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ²	Bi	bismuth 208.98 [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ³	Po	polonium [209] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁴	At	astatine [210] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁵	Rn	radon [222] [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁶
87	鈾	88	鐳	103	鐳	104	鐳	105	金杜	106	金喜	107	金波	108	金黑	109	金麥	110	鐳	111	鐳	112	鐳	113	鐳	114	鐳	115	鐳	116	鐳	117	鐳	118	鐳
Fr	francium [223] [Rn]7s ¹	Ra	radium [226] [Rn]7s ²	Lr	lawrencium [262] [Rn]7s ² 5f ¹⁴ 6d ¹	Rf	rutherfordium [261] [Rn]7s ² 5f ¹⁴ 6d ²	Db	dubnium [262] [Rn]7s ² 5f ¹⁴ 6d ³	Sg	seaborgium [266] [Rn]7s ² 5f ¹⁴ 6d ⁴	Bh	bohrium [264] [Rn]7s ² 5f ¹⁴ 6d ⁵	Hs	hassium [277] [Rn]7s ² 5f ¹⁴ 6d ⁶	Mt	meitnerium [268] [Rn]7s ² 5f ¹⁴ 6d ⁷	Ds	darmstadtium [271] [Rn]7s ² 5f ¹⁴ 6d ⁹	Rg	roentgenium [272] [Rn]7s ² 5f ¹⁴ 6d ¹⁰	Cn	copernicium [285] [Rn]7s ² 5f ¹⁴ 6d ¹⁰	Uut	ununtrium [284] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ¹	Fl	flerovium [289] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ²	Uup	ununpentium [288] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ³	Lv	livermorium [292] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁴	Uus	ununseptium [294] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁵	Uuo	ununoctium [294] [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁶

57-70
lanthanoids
鐳系元素

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

89-102
actinoids
鐳系元素

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