

元 素 周 期 表
Periodic Table of the Elements

1 **IA**18 **0**

1	1 1.008 qīng 氢 Hydrogen 1s ¹	2 II A																2 4.003 hài 氦 Helium 1s ²	
	3 6.941 lǐ 锂 Lithium [He]2s ¹	4 9.012 pí 铍 Beryllium [He]2s ²																	10 20.18 nǎi 氖 Neon [He]2s ² 2p ⁶
2	11 22.99 nà 钠 Sodium [Ne]3s ¹	12 24.31 méi 镁 Magnesium [Ne]3s ²																	18 39.95 yǎn 氩 Argon [Ne]3s ² 3p ⁶
	19 39.10 jiǎ 钾 Potassium [Ar]4s ¹	20 40.08 gài 钙 Calcium [Ar]4s ²	21 44.96 kàng 钪 Scandium [Ar]3d ¹ 4s ²	22 47.87 tài 钛 Titanium [Ar]3d ² 4s ²	23 50.94 fán 钒 Vanadium [Ar]3d ³ 4s ²	24 52.00 gè 铬 Chromium [Ar]3d ⁵ 4s ¹	25 54.94 méng 锰 Manganese [Ar]3d ⁵ 4s ²	26 55.85 tiě 铁 Iron [Ar]3d ⁶ 4s ²	27 58.93 gǔ 钴 Cobalt [Ar]3d ⁷ 4s ²	28 58.69 niè 镍 Nickel [Ar]3d ⁸ 4s ²	29 63.55 tóng 铜 Copper [Ar]3d ¹⁰ 4s ¹	30 65.38 xīn 锌 Zinc [Ar]3d ¹⁰ 4s ²	31 69.72 jiǎ 镓 Gallium [Ar]3d ¹⁰ 4s ² 4p ¹	32 72.63 zhé 锗 Germanium [Ar]3d ¹⁰ 4s ² 4p ²	33 74.92 shén 砷 Arsenic [Ar]3d ¹⁰ 4s ² 4p ³	34 78.97 xī 硒 Selenium [Ar]3d ¹⁰ 4s ² 4p ⁴	35 79.90 xiù 溴 Bromine [Ar]3d ¹⁰ 4s ² 4p ⁵	36 83.80 kè 氪 Krypton [Ar]3d ¹⁰ 4s ² 4p ⁶	
3	37 85.47 rú 铷 Rubidium [Kr]4d ¹ 5s ²	38 87.62 sī 锶 Strontium [Kr]4d ¹ 5s ²	39 88.91 yī 钇 Yttrium [Kr]4d ¹ 5s ²	40 91.22 gāo 锆 Zirconium [Kr]4d ⁵ 5s ²	41 92.91 ní 铌 Niobium [Kr]4d ⁴ 5s ¹	42 95.95 mù 钼 Molybdenum [Kr]4d ⁵ 5s ¹	43 [97] gē 锝 Technetium [Kr]4d ⁵ 5s ¹	44 101.1 liáo 钌 Ruthenium [Kr]4d ⁷ 5s ¹	45 102.9 yīn 铑 Rhodium [Kr]4d ⁸ 5s ¹	46 106.4 bá 钯 Palladium [Kr]4d ¹⁰	47 107.9 yín 银 Silver [Kr]4d ¹⁰ 5s ¹	48 112.4 cǎn 镉 Cadmium [Kr]4d ¹⁰ 5s ²	49 114.8 yīn 铟 Indium [Kr]4d ¹⁰ 5s ² 5p ¹	50 118.7 xī 锡 Tin [Kr]4d ¹⁰ 5s ² 5p ²	51 121.8 tǐ 锑 Antimony [Kr]4d ¹⁰ 5s ² 5p ³	52 127.6 diàn 碲 Tellurium [Kr]4d ¹⁰ 5s ² 5p ⁴	53 126.9 diàn 碘 Iodine [Kr]4d ¹⁰ 5s ² 5p ⁵	54 131.3 xì 氙 Xenon [Kr]4d ¹⁰ 5s ² 5p ⁶	
	55 132.9 sè 铯 Caesium [Xe]6s ¹	56 137.3 bèi 钡 Barium [Xe]6s ²	57-71 La-Lu 镧系 Lanthanoids	72 178.5 hā 铪 Hafnium [Xe]4f ¹⁴ 5d ² 6s ²	73 180.9 tān 钽 Tantalum [Xe]4f ¹⁴ 5d ³ 6s ²	74 183.8 wū 钨 Tungsten [Xe]4f ¹⁴ 5d ⁴ 6s ²	75 186.2 lái 铼 Rhenium [Xe]4f ¹⁴ 5d ⁵ 6s ²	76 190.2 é 锇 Osmium [Xe]4f ¹⁴ 5d ⁶ 6s ²	77 192.2 yī 铱 Iridium [Xe]4f ¹⁴ 5d ⁷ 6s ²	78 195.1 bó 铂 Platinum [Xe]4f ¹⁴ 5d ⁹ 6s ¹	79 197.0 jīn 金 Gold [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹	80 200.6 gōng 汞 Mercury [Xe]4f ¹⁴ 5d ¹⁰ 6s ²	81 204.4 tā 铊 Thallium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	82 207.2 qiān 铅 Lead [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	83 209.0 bì 铋 Bismuth [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	84 [209] pō 钋 Polonium [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	85 [210] ài 砒 Astatine [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	86 [222] dōng 氡 Radon [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶	
6	87 [223] fāng 钫 Francium [Rn]7s ¹	88 [261] lái 镭 Radium [Rn]7s ²	89-103 Ac-Lr 锕系 Actinoids	104 [267] lú 钅 Rutherfordium [Rn]5f ¹⁴ 6d ² 7s ²	105 [268] dù 钅 Dubnium [Rn]5f ¹⁴ 6d ³ 7s ²	106 [269] xì 钅 Seaborgium [Rn]5f ¹⁴ 6d ⁴ 7s ²	107 [270] bō 钅 Bohrium [Rn]5f ¹⁴ 6d ⁵ 7s ²	108 [269] hēi 钅 Hassium [Rn]5f ¹⁴ 6d ⁶ 7s ²	109 [277] mài 钅 Meitnerium [Rn]5f ¹⁴ 6d ⁷ 7s ²	110 [281] dá 钅 Darmstadtium [Rn]5f ¹⁴ 6d ⁸ 7s ²	111 [282] lǎn 钅 Roentgenium [Rn]5f ¹⁴ 6d ¹⁰ 7s ²	112 [285] gē 钅 Copernicium [Rn]5f ¹⁴ 6d ¹⁰ 7s ²	113 [286] nǐ 钅 Nihonium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹	114 [289] fú 钅 Flerovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ²	115 [290] mò 钅 Moscovium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ³	116 [293] lì 钅 Livermorium [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴	117 [294] tián 钅 Tennessine [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵	118 [294] ào 钅 Oganesson [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶	

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