

Configuración electrónica de los 118 elementos

Configuración completa según IUPAC · incluye las 5 anomalías clásicas (Cr, Cu, Mo, Ag, Au)

Z	Símbolo	Nombre	Configuración electrónica
1	H	Hidrógeno	1s ¹
2	He	Helio	1s ²
3	Li	Litio	[He] 2s ¹
4	Be	Berilio	[He] 2s ²
5	B	Boro	[He] 2s ² 2p ¹
6	C	Carbono	[He] 2s ² 2p ²
7	N	Nitrógeno	[He] 2s ² 2p ³
8	O	Oxígeno	[He] 2s ² 2p ⁴
9	F	Flúor	[He] 2s ² 2p ⁵
10	Ne	Neón	[He] 2s ² 2p ⁶
11	Na	Sodio	[Ne] 3s ¹
12	Mg	Magnesio	[Ne] 3s ²
13	Al	Aluminio	[Ne] 3s ² 3p ¹
14	Si	Silicio	[Ne] 3s ² 3p ²
15	P	Fósforo	[Ne] 3s ² 3p ³
16	S	Azufre	[Ne] 3s ² 3p ⁴
17	Cl	Cloro	[Ne] 3s ² 3p ⁵
18	Ar	Argón	[Ne] 3s ² 3p ⁶
19	K	Potasio	[Ar] 4s ¹
20	Ca	Calcio	[Ar] 4s ²
21	Sc	Escandio	[Ar] 3d ¹ 4s ²
22	Ti	Titanio	[Ar] 3d ² 4s ²
23	V	Vanadio	[Ar] 3d ³ 4s ²
24	Cr	Cromo	[Ar] 3d ⁵ 4s ¹
25	Mn	Manganeso	[Ar] 3d ⁵ 4s ²
26	Fe	Hierro	[Ar] 3d ⁶ 4s ²
27	Co	Cobalto	[Ar] 3d ⁷ 4s ²
28	Ni	Níquel	[Ar] 3d ⁸ 4s ²
29	Cu	Cobre	[Ar] 3d ¹⁰ 4s ¹
30	Zn	Zinc	[Ar] 3d ¹⁰ 4s ²
31	Ga	Galio	[Ar] 3d ¹⁰ 4s ² 4p ¹
32	Ge	Germanio	[Ar] 3d ¹⁰ 4s ² 4p ²
33	As	Arsénico	[Ar] 3d ¹⁰ 4s ² 4p ³
34	Se	Selenio	[Ar] 3d ¹⁰ 4s ² 4p ⁴
35	Br	Bromo	[Ar] 3d ¹⁰ 4s ² 4p ⁵
36	Kr	Kriptón	[Ar] 3d ¹⁰ 4s ² 4p ⁶
37	Rb	Rubidio	[Kr] 5s ¹
38	Sr	Estroncio	[Kr] 5s ²
39	Y	Itrio	[Kr] 4d ¹ 5s ²
40	Zr	Circonio	[Kr] 4d ² 5s ²
41	Nb	Niobio	[Kr] 4d ⁴ 5s ¹
42	Mo	Molibdeno	[Kr] 4d ⁵ 5s ¹
43	Tc	Tecnecio	[Kr] 4d ⁵ 5s ²
44	Ru	Rutenio	[Kr] 4d ⁷ 5s ¹
45	Rh	Rodio	[Kr] 4d ⁸ 5s ¹
46	Pd	Paladio	[Kr] 4d ¹⁰
47	Ag	Plata	[Kr] 4d ¹⁰ 5s ¹
48	Cd	Cadmio	[Kr] 4d ¹⁰ 5s ²
49	In	Indio	[Kr] 4d ¹⁰ 5s ² 5p ¹

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50	Sn	Estaño	[Kr] 4d ¹⁰ 5s ² 5p ²
51	Sb	Antimonio	[Kr] 4d ¹⁰ 5s ² 5p ³
52	Te	Telurio	[Kr] 4d ¹⁰ 5s ² 5p ⁴
53	I	Yodo	[Kr] 4d ¹⁰ 5s ² 5p ⁵
54	Xe	Xenón	[Kr] 4d ¹⁰ 5s ² 5p ⁶
55	Cs	Cesio	[Xe] 6s ¹
56	Ba	Bario	[Xe] 6s ²
57	La	Lantano	[Xe] 5d ¹ 6s ²
58	Ce	Cerio	[Xe] 4f ¹ 5d ¹ 6s ²
59	Pr	Praseodimio	[Xe] 4f ³ 6s ²
60	Nd	Neodimio	[Xe] 4f ⁴ 6s ²
61	Pm	Prometio	[Xe] 4f ⁵ 6s ²
62	Sm	Samario	[Xe] 4f ⁶ 6s ²
63	Eu	Europio	[Xe] 4f ⁷ 6s ²
64	Gd	Gadolinio	[Xe] 4f ⁷ 5d ¹ 6s ²
65	Tb	Terbio	[Xe] 4f ⁹ 6s ²
66	Dy	Disprosio	[Xe] 4f ¹⁰ 6s ²
67	Ho	Holmio	[Xe] 4f ¹¹ 6s ²
68	Er	Erbio	[Xe] 4f ¹² 6s ²
69	Tm	Tulio	[Xe] 4f ¹³ 6s ²
70	Yb	Iterbio	[Xe] 4f ¹⁴ 6s ²
71	Lu	Lutecio	[Xe] 4f ¹⁴ 5d ¹ 6s ²
72	Hf	Hafnio	[Xe] 4f ¹⁴ 5d ² 6s ²
73	Ta	Tántalo	[Xe] 4f ¹⁴ 5d ³ 6s ²
74	W	Wolframio	[Xe] 4f ¹⁴ 5d ⁴ 6s ²
75	Re	Renio	[Xe] 4f ¹⁴ 5d ⁵ 6s ²
76	Os	Osmio	[Xe] 4f ¹⁴ 5d ⁶ 6s ²
77	Ir	Iridio	[Xe] 4f ¹⁴ 5d ⁷ 6s ²
78	Pt	Platino	[Xe] 4f ¹⁴ 5d ⁹ 6s ¹
79	Au	Oro	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹
80	Hg	Mercurio	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²
81	Tl	Talio	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹
82	Pb	Plomo	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²
83	Bi	Bismuto	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³
84	Po	Polonio	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴
85	At	Astato	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵
86	Rn	Radón	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶
87	Fr	Francio	[Rn] 7s ¹
88	Ra	Radio	[Rn] 7s ²
89	Ac	Actinio	[Rn] 6d ¹ 7s ²
90	Th	Torio	[Rn] 6d ² 7s ²
91	Pa	Protactinio	[Rn] 5f ² 6d ¹ 7s ²
92	U	Uranio	[Rn] 5f ³ 6d ¹ 7s ²
93	Np	Neptunio	[Rn] 5f ⁴ 6d ¹ 7s ²
94	Pu	Plutonio	[Rn] 5f ⁶ 7s ²
95	Am	Americio	[Rn] 5f ⁷ 7s ²
96	Cm	Curio	[Rn] 5f ⁷ 6d ¹ 7s ²
97	Bk	Berkelio	[Rn] 5f ⁹ 7s ²
98	Cf	Californio	[Rn] 5f ¹⁰ 7s ²
99	Es	Einstenio	[Rn] 5f ¹¹ 7s ²
100	Fm	Fermio	[Rn] 5f ¹² 7s ²
101	Md	Mendelevio	[Rn] 5f ¹³ 7s ²
102	No	Nobelio	[Rn] 5f ¹⁴ 7s ²

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103	Lr	Lawrencio	[Rn] 5f ¹⁴ 7s ² 7p ¹
104	Rf	Rutherfordio	[Rn] 5f ¹⁴ 6d ² 7s ²
105	Db	Dubnio	[Rn] 5f ¹⁴ 6d ³ 7s ²
106	Sg	Seaborgio	[Rn] 5f ¹⁴ 6d ⁴ 7s ²
107	Bh	Bohrio	[Rn] 5f ¹⁴ 6d ⁵ 7s ²
108	Hs	Hassio	[Rn] 5f ¹⁴ 6d ⁶ 7s ²
109	Mt	Meitnerio	[Rn] 5f ¹⁴ 6d ⁷ 7s ²
110	Ds	Darmstatio	[Rn] 5f ¹⁴ 6d ⁸ 7s ²
111	Rg	Roentgenio	[Rn] 5f ¹⁴ 6d ⁹ 7s ²
112	Cn	Copernicio	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ²
113	Nh	Nihonio	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹
114	Fl	Flerovio	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ²
115	Mc	Moscovio	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ³
116	Lv	Livermorio	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴
117	Ts	Teneso	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵
118	Og	Oganesón	[Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶