

Tabla periódica de los elementos

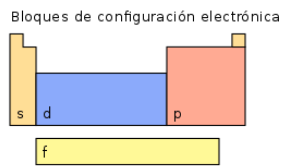
grupo 1																	18	
período 1	1 1.00794 1312.0 H Hidrógeno 1s ¹																	2 4.002602 2372.3 He Helio 1s ²
2	3 6.941 520.2 Li Litio 1s ² 2s ¹	4 9.012182 899.5 Be Berilio 1s ² 2s ²											5 10.811 800.6 B Boro 1s ² 2s ² 2p ¹	6 12.0107 1086.5 C Carbono 1s ² 2s ² 2p ²	7 14.0067 1402.3 N Nitrógeno 1s ² 2s ² 2p ³	8 15.9994 1313.9 O Oxígeno 1s ² 2s ² 2p ⁴	9 18.998403 1681.0 F Flúor 1s ² 2s ² 2p ⁵	10 20.1797 2080.7 Ne Neón 1s ² 2s ² 2p ⁶
3	11 22.989769 495.8 Na Sodio (Ne) 3s ¹	12 24.3050 737.7 Mg Magnesio (Ne) 3s ²											13 26.981538 577.5 Al Aluminio (Ne) 3s ² 3p ¹	14 28.0855 1011.8 Si Silicio (Ne) 3s ² 3p ²	15 30.973761 1011.8 P Fósforo (Ne) 3s ² 3p ³	16 32.065 999.6 S Azufre (Ne) 3s ² 3p ⁴	17 35.453 1251.2 Cl Cloro (Ne) 3s ² 3p ⁵	18 39.948 39.948 Ar Argón (Ne) 3s ² 3p ⁶
4	19 39.0983 418.8 K Potasio [Ar] 4s ¹	20 40.078 589.8 Ca Calcio [Ar] 4s ²	21 44.955912 633.1 Sc Escandio [Ar] 3d ¹ 4s ²	22 47.867 658.8 Ti Titanio [Ar] 3d ² 4s ²	23 50.9415 650.9 V Vanadio [Ar] 3d ³ 4s ²	24 51.9962 652.9 Cr Cromo [Ar] 3d ⁵ 4s ¹	25 54.938045 717.3 Mn Manganeso [Ar] 3d ⁵ 4s ²	26 55.845 762.5 Fe Hierro [Ar] 3d ⁶ 4s ²	27 58.933195 760.4 Co Cobalto [Ar] 3d ⁷ 4s ²	28 58.6934 737.1 Ni Níquel [Ar] 3d ⁸ 4s ²	29 63.546 745.5 Cu Cobre [Ar] 3d ¹⁰ 4s ¹	30 65.38 966.4 Zn Zinc [Ar] 3d ¹⁰ 4s ²	31 69.723 578.8 Ga Galio [Ar] 3d ¹⁰ 4s ² 4p ¹	32 72.64 762.0 Ge Germanio [Ar] 3d ¹⁰ 4s ² 4p ²	33 74.921603 947.0 As Arsénico [Ar] 3d ¹⁰ 4s ² 4p ³	34 78.96 941.0 Se Selenio [Ar] 3d ¹⁰ 4s ² 4p ⁴	35 79.904 1139.9 Br Bromo [Ar] 3d ¹⁰ 4s ² 4p ⁵	36 83.798 150.8 Kr Kriptón [Ar] 3d ¹⁰ 4s ² 4p ⁶
5	37 85.4678 403.0 Rb Rubidio [Kr] 5s ¹	38 87.62 549.5 Sr Estroncio [Kr] 5s ²	39 88.90585 600.0 Y Itrio [Kr] 4d ¹ 5s ²	40 91.224 640.1 Zr Zirconio [Kr] 4d ² 5s ²	41 92.90638 652.1 Nb Niobio [Kr] 4d ⁴ 5s ¹	42 95.96 684.3 Mo Molibdeno [Kr] 4d ⁵ 5s ¹	43 101.07 702.0 Tc Tecnecio [Kr] 4d ⁵ 5s ²	44 101.07 710.2 Ru Rutenio [Kr] 4d ⁷ 5s ¹	45 102.9055 719.7 Rh Rodio [Kr] 4d ⁸ 5s ¹	46 106.42 804.4 Pd Paladio [Kr] 4d ¹⁰	47 107.8682 731.0 Ag Plata [Kr] 4d ¹⁰ 5s ¹	48 112.414 867.8 Cd Cadmio [Kr] 4d ¹⁰ 5s ²	49 114.818 558.3 In Indio [Kr] 4d ¹⁰ 5s ² 5p ¹	50 118.710 708.6 Sn Estaño [Kr] 4d ¹⁰ 5s ² 5p ²	51 121.760 834.0 Sb Antimonio [Kr] 4d ¹⁰ 5s ² 5p ³	52 127.60 869.3 Te Telurio [Kr] 4d ¹⁰ 5s ² 5p ⁴	53 126.90447 1008.4 I Yodo [Kr] 4d ¹⁰ 5s ² 5p ⁵	54 131.293 1170.4 Xe Xenón [Kr] 4d ¹⁰ 5s ² 5p ⁶
6	55 132.90545 375.5 Cs Cesio [Xe] 6s ¹	56 137.327 502.9 Ba Bario [Xe] 6s ²	57 174.9668 523.5 Lu Lutecio [Xe] 4f ¹⁴ 6s ²	71 178.49 589.5 Hf Hafnio [Xe] 4f ¹⁴ 6s ²	72 180.94788 761.0 Ta Tantalio [Xe] 4f ¹⁴ 6s ²	73 183.84 770.0 W Wolframio [Xe] 4f ¹⁴ 6s ²	74 186.207 760.0 Re Renio [Xe] 4f ¹⁴ 6s ²	75 190.23 840.0 Os Osmio [Xe] 4f ¹⁴ 6s ²	76 192.227 880.0 Ir Iridio [Xe] 4f ¹⁴ 6s ²	77 195.084 870.0 Pt Platino [Xe] 4f ¹⁴ 6s ²	78 196.96657 890.1 Au Oro [Xe] 4f ¹⁴ 6s ²	79 200.59 1007.1 Hg Mercurio [Xe] 4f ¹⁴ 6s ²	80 204.3833 589.4 Tl Talio [Xe] 4f ¹⁴ 6s ² 6p ¹	81 207.2 715.6 Pb Plomo [Xe] 4f ¹⁴ 6s ² 6p ²	82 208.9804 703.0 Bi Bismuto [Xe] 4f ¹⁴ 6s ² 6p ³	83 (210) 812.1 Po Polonio [Xe] 4f ¹⁴ 6s ² 6p ⁴	84 (210) 890.0 At Astatino [Xe] 4f ¹⁴ 6s ² 6p ⁵	85 (220) 1037.0 Rn Radón [Xe] 4f ¹⁴ 6s ² 6p ⁶
7	(223) 380.0 Fr Francio [Rn] 7s ¹	(226) 509.3 Ra Radio [Rn] 7s ²	(262) 470.0 Lr Laurencio [Rn] 5f ¹⁴ 7s ² 7p ¹	(261) 580.0 Rf Rutherfordio [Rn] 5f ¹⁴ 6d ² 7s ²	(262) 105 Db Dubnio [Rn] 5f ¹⁴ 6d ³ 7s ²	(266) 106 Sg Seaborgio [Rn] 7s ² 5f ¹⁴ 6d ⁴	(264) 107 Bh Bohrio [Rn] 5f ¹⁴ 6d ⁵ 7s ²	(277) 108 Hs Hassio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(268) 109 Mt Meitnerio [Rn] 7s ² 5f ¹⁴ 6d ⁷	(271) 110 Ds Darmstatio [Rn] 7s ² 5f ¹⁴ 6d ¹⁰	(272) 111 Rg Roentgenio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(285) 112 Cn Copernicio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(284) 113 Nh Nihonio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ¹	(289) 114 Fl Flerovio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ²	(288) 115 Mc Moscovio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ³	(292) 116 Lv Livermorio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴	(294) 117 Ts Teneso [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵	(294) 118 Og Oganesson [Rn] 5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶

masa atómica o número másico de isótopo más estable
 1.ª energía de ionización en kJ/mol
 símbolo químico
 nombre
 configuración electrónica

número atómico
 electronegatividad
 estados de oxidación más comunes están en negro

metales alcalinos
 alcalinotérreos
 otros metales
 metales de transición
 lantánidos
 actínidos

metaloides
 no metales
 halógenos
 gases nobles
 elementos desconocidos
 masas de elementos radiactivos entre paréntesis



Notas
 • 1 kJ/mol ≈ 96.485 eV.
 • Todos los elementos tienen un estado de oxidación implícito cero.
 • Los estados de oxidación de los elementos 109, 110, 111, 112, 113, 114, 115, 116, 117 y 118 son predicciones.
 • Las configuraciones electrónicas de los elementos 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117 y 118 son predicciones.

138.90547 538.1 La Lantano [Xe] 5d ¹ 6s ²	140.116 534.4 Ce Cerio [Xe] 4f ¹ 5d ¹ 6s ²	140.90768 527.0 Pr Praseodimio [Xe] 4f ³ 6s ²	144.242 533.1 Nd Neodimio [Xe] 4f ⁴ 6s ²	(145) 540.0 Pm Prometio [Xe] 4f ⁵ 6s ²	150.36 544.5 Sm Samario [Xe] 4f ⁶ 6s ²	151.964 547.1 Eu Europio [Xe] 4f ⁷ 6s ²	157.25 593.4 Gd Gadolinio [Xe] 4f ⁷ 6s ²	158.92535 565.0 Tb Terbio [Xe] 4f ⁹ 6s ²	162.500 573.0 Dy Disprosio [Xe] 4f ¹⁰ 6s ²	164.93033 581.0 Ho Holmio [Xe] 4f ¹¹ 6s ²	167.259 589.3 Er Erbio [Xe] 4f ¹² 6s ²	168.93402 596.7 Tm Tulio [Xe] 4f ¹³ 6s ²	173.054 603.4 Yb Iterbio [Xe] 4f ¹⁴ 6s ²
(227) 499.0 Ac Actinio [Rn] 6d ¹ 7s ²	232.03806 587.0 Th Torio [Rn] 6d ² 7s ²	231.03589 568.0 Pa Protactinio [Rn] 5f ² 6d ¹ 7s ²	238.02891 597.6 U Uranio [Rn] 5f ³ 6d ¹ 7s ²	(237) 604.5 Np Neptunio [Rn] 5f ⁶ 6d ¹ 7s ²	(244) 584.7 Pu Plutonio [Rn] 5f ⁷ 7s ²	(243) 578.0 Am Americio [Rn] 5f ⁷ 7s ²	(247) 581.0 Cm Curio [Rn] 5f ⁷ 6d ¹ 7s ²	(247) 601.0 Bk Berkelio [Rn] 5f ⁷ 7s ²	(251) 608.0 Cf Californio [Rn] 5f ¹⁰ 7s ²	(252) 619.0 Es Einstenio [Rn] 5f ¹¹ 6s ²	(257) 627.0 Fm Fermio [Rn] 5f ¹¹ 7s ²	(258) 635.0 Md Mendelevio [Rn] 5f ¹¹ 7s ²	(259) 642.0 No Nobelio [Rn] 5f ¹¹ 7s ²