

Tabla periódica de los elementos

grupo 1																	18		
período 1	1.00794 1312.0 2.20 H Hidrógeno 1s ¹																	4.002602 2372.3 He Helio 1s ²	
2	6.941 520.2 0.98 3 Li Litio 1s ² 2s ¹	9.012182 899.5 1.57 4 Be Berilio 1s ² 2s ²																	20.1797 2080.7 Ne Neón 1s ² 2s ² 2p ⁶
3	22.98976 495.8 0.93 11 Na Sodio [Ne] 3s ¹	24.3050 737.7 1.31 12 Mg Magnesio [Ne] 3s ²																	39.948 1520.6 Ar Argón [Ne] 3s ² 3p ⁶
4	39.0983 418.8 0.82 19 K Potasio [Ar] 4s ¹	40.078 589.8 1.00 20 Ca Calcio [Ar] 4s ²	44.95591 633.1 1.36 21 Sc Escandio [Ar] 3d ¹ 4s ²	47.867 658.8 1.54 22 Ti Titanio [Ar] 3d ² 4s ²	50.9415 650.9 1.63 23 V Vanadio [Ar] 3d ³ 4s ²	51.9962 652.9 1.66 24 Cr Cromo [Ar] 3d ⁵ 4s ¹	54.93804 717.3 1.55 25 Mn Manganeso [Ar] 3d ⁵ 4s ²	55.845 762.5 1.83 26 Fe Hierro [Ar] 3d ⁶ 4s ²	58.93319 760.4 1.91 27 Co Cobalto [Ar] 3d ⁷ 4s ²	58.6934 737.1 1.88 28 Ni Níquel [Ar] 3d ⁸ 4s ²	63.546 745.5 1.90 29 Cu Cobre [Ar] 3d ¹⁰ 4s ¹	65.38 906.4 1.65 30 Zn Zinc [Ar] 3d ¹⁰ 4s ²	69.723 578.8 1.81 31 Ga Galio [Ar] 3d ¹⁰ 4s ² 4p ¹	72.64 762.0 2.01 32 Ge Germanio [Ar] 3d ¹⁰ 4s ² 4p ²	74.92160 947.0 2.18 33 As Arsénico [Ar] 3d ¹⁰ 4s ² 4p ³	78.96 941.0 2.55 34 Se Selenio [Ar] 3d ¹⁰ 4s ² 4p ⁴	79.904 1139.9 2.96 35 Br Bromo [Ar] 3d ¹⁰ 4s ² 4p ⁵	83.798 1350.8 3.00 36 Kr Kriptón [Ar] 3d ¹⁰ 4s ² 4p ⁶	
5	85.4678 403.0 0.82 37 Rb Rubidio [Kr] 5s ¹	87.62 549.5 0.95 38 Sr Estroncio [Kr] 5s ²	88.90585 600.0 1.22 39 Y Itrio [Kr] 4d ¹ 5s ²	91.224 640.1 1.33 40 Zr Zirconio [Kr] 4d ² 5s ²	92.90638 652.1 1.60 41 Nb Niobio [Kr] 4d ⁴ 5s ¹	95.96 684.3 2.16 42 Mo Molibdeno [Kr] 4d ⁵ 5s ¹	(98) 702.0 1.90 43 Tc Tecnecio [Kr] 4d ⁵ 5s ²	101.07 710.2 2.20 44 Ru Rutenio [Kr] 4d ⁷ 5s ¹	102.9055 719.7 2.28 45 Rh Rodio [Kr] 4d ⁸ 5s ¹	106.42 804.4 2.20 46 Pd Paladio [Kr] 4d ¹⁰	107.8682 731.0 1.93 47 Ag Plata [Kr] 4d ¹⁰ 5s ¹	112.441 867.8 1.69 48 Cd Cadmio [Kr] 4d ¹⁰ 5s ²	114.818 558.3 1.78 49 In Indio [Kr] 4d ¹⁰ 5s ² 5p ¹	118.710 708.6 1.96 50 Sn Estaño [Kr] 4d ¹⁰ 5s ² 5p ²	121.760 834.0 2.05 51 Sb Antimonio [Kr] 4d ¹⁰ 5s ² 5p ³	127.60 869.3 2.10 52 Te Telurio [Kr] 4d ¹⁰ 5s ² 5p ⁴	126.9044 1008.4 2.66 53 I Yodo [Kr] 4d ¹⁰ 5s ² 5p ⁵	131.293 1170.4 2.60 54 Xe Xenón [Kr] 4d ¹⁰ 5s ² 5p ⁶	
6	132.9054 375.7 0.79 55 Cs Cesio [Xe] 6s ¹	137.327 502.9 0.89 56 Ba Bario [Xe] 6s ²	174.9668 523.5 1.27 71 Lu Lutecio [Xe] 4f ¹⁴ 5d ¹ 6s ²	178.49 658.5 1.30 72 Hf Hafnio [Xe] 4f ¹⁴ 5d ² 6s ²	180.9478 761.0 1.50 73 Ta Tantalo [Xe] 4f ¹⁴ 5d ³ 6s ²	183.84 770.0 2.36 74 W Wolframio [Xe] 4f ¹⁴ 5d ⁴ 6s ²	186.207 760.0 1.90 75 Re Renio [Xe] 4f ¹⁴ 5d ⁵ 6s ²	190.23 840.0 2.20 76 Os Osmio [Xe] 4f ¹⁴ 5d ⁶ 6s ²	192.217 880.0 2.20 77 Ir Iridio [Xe] 4f ¹⁴ 5d ⁷ 6s ²	195.084 870.0 2.28 78 Pt Platino [Xe] 4f ¹⁴ 5d ⁹ 6s ¹	196.9665 890.1 2.54 79 Au Oro [Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹	200.59 1007.1 2.00 80 Hg Mercurio [Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	204.3833 589.4 1.62 81 Tl Talio [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	207.2 715.6 2.33 82 Pb Plomo [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	208.9804 703.0 2.02 83 Bi Bismuto [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	(210) 812.1 2.00 84 Po Polonio [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	(210) 890.0 2.20 85 At Astatio [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	(220) 1037.0 86 Rn Radón [Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶	
7	(223) 380.0 0.70 87 Fr Francio [Rn] 7s ¹	(226) 509.3 0.90 88 Ra Radio [Rn] 7s ²	(262) 470.0 103 Lr Laurencio [Rn] 5f ¹⁴ 6d ¹ 7p ¹	(261) 580.0 104 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 ⁸	(272) 111 Rg Roentgenio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ¹	(285) 112 Cn Copernicio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(284) 113 Nh Nihonio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(289) 114 Fl Flerovio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(288) 115 Mc Moscovio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(292) 116 Lv Livermorio [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(294) 117 Ts Teneso [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	(294) 118 Og Oganesson [Rn] 5f ¹⁴ 6d ¹⁰ 7s ²	

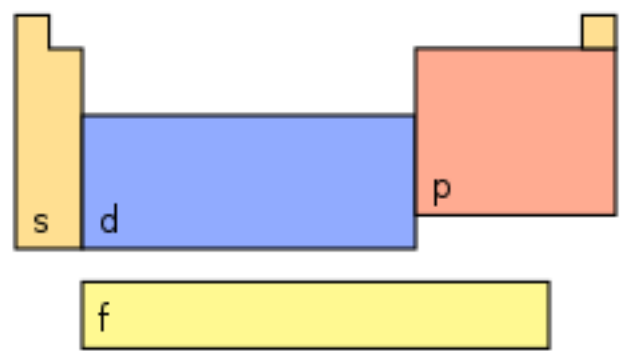
masa atómica o número másico del isótopo más estable
 1.ª energía de ionización en kJ/mol
 símbolo químico
 nombre
 configuración electrónica

número atómico
 electronegatividad
 estados de oxidación más comunes están en negrita

metales alcalinos
 alcalinotérreos
 otros metales
 metales de transición
 lantánidos
 actínidos

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

Bloques de configuración electrónica



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.

138.9054 538.1 1.10 57 La Lantano [Xe] 5d ¹ 6s ²	140.116 534.4 1.12 58 Ce Cerio [Xe] 4f ¹ 5d ¹ 6s ²	140.9076 527.0 1.13 59 Pr Praseodimio [Xe] 4f ³ 6s ²	144.242 533.1 1.14 60 Nd Neodimio [Xe] 4f ⁴ 6s ²	(145) 540.0 61 Pm Prometio [Xe] 4f ⁵ 6s ²	150.36 544.5 1.17 62 Sm Samario [Xe] 4f ⁶ 6s ²	151.964 547.1 63 Eu Europio [Xe] 4f ⁷ 6s ²	157.25 593.4 1.20 64 Gd Gadolinio [Xe] 4f ⁷ 5d ¹ 6s ²	158.9253 565.8 65 Tb Terbio [Xe] 4f ⁹ 6s ²	162.500 573.0 1.22 66 Dy Disprosio [Xe] 4f ¹⁰ 6s ²	164.9303 581.0 1.23 67 Ho Holmio [Xe] 4f ¹¹ 6s ²	167.259 589.3 1.24 68 Er Erbio [Xe] 4f ¹² 6s ²	168.9342 596.7 1.25 69 Tm Tulio [Xe] 4f ¹³ 6s ²	173.054 603.4 70 Yb Iterbio [Xe] 4f ¹⁴ 6s ²
(227) 499.0 1.10 89 Ac Actinio [Rn] 6d ¹ 7s ²	232.0380 587.0 1.30 90 Th Torio [Rn] 6d ² 7s ²	231.0358 568.0 1.50 91 Pa Protactinio [Rn] 5f ² 6d ¹ 7s ²	238.0289 597.6 1.38 92 U Uranio [Rn] 5f ³ 6d ¹ 7s ²	(237) 604.5 1.36 93 Np Neptunio [Rn] 5f ⁶ 7s ²	(244) 584.7 1.28 94 Pu Plutonio [Rn] 5f ⁷ 7s ²	(243) 578.0 1.30 95 Am Americio [Rn] 5f ⁷ 7s ²	(247) 581.0 1.30 96 Cm Curio [Rn] 5f ⁷ 6d ¹ 7s ²	(247) 601.0 1.30 97 Bk Berkelio [Rn] 5f ⁹ 7s ²	(251) 608.0 1.30 98 Cf Californio [Rn] 5f ¹⁰ 7s ²	(252) 619.0 1.30 99 Es Einsteinio [Rn] 5f ¹¹ 6s ²	(257) 627.0 1.30 100 Fm Fermio [Rn] 5f ¹² 7s ²	(258) 635.0 1.30 101 Md Mendelevio [Rn] 5f ¹³ 7s ²	(259) 642.0 1.30 102 No Nobelio [Rn] 5f ¹⁴ 7s ²



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