

Recuerda:

Ley de los gases ideales: PV

Constante de los gases: $0.082 \text{ L atm mol}^{-1} \text{ K}^{-1}$

Constante de Avogadro = $6.023 \times 10^{23} \text{ mol}^{-1}$


1 atm = 760 mm Hg

1 m³ = 1000 L

°C = K - 273.15



Tabla Periódica de los Elementos de la IUPAC

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------------|--|---|--------------------------------------|--|---------------------------------------|---------------------------------------|--|--|---|--------------------------------------|---|--------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|----|----|----|----|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | | | | |
| 1 H Hidrógeno 1.008 | 2 | | | | | | | | | | | | | | | | 13 | 14 | 15 | 16 | 17 | 2 He Helio 4.003 | | | | | | | | | | | | | |
| 3 Li Litio 6.941 | 4 Be Berilio 9.012 | Clave: Número atómico Símbolo Nombre Masa atómica | | | | | | | | | | 5 B Boro 10.81 | 6 C Carbono 12.01 | 7 N Nitrógeno 14.01 | 8 O Oxígeno 16.00 | 9 F Flúor 19.00 | 10 Ne Neón 20.18 | | | | | | | | | | | | | | | | | | |
| 11 Na Sodio 22.99 | 12 Mg Magnesio 24.31 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 Al Aluminio 26.98 | 14 Si Silicio 28.09 | 15 P Fósforo 30.97 | 16 S Azufre 32.07 | 17 Cl Cloro 35.45 | 18 Ar Argón 39.95 | | | | | | | | | | | | | | | | | | |
| 19 K Potasio 39.10 | 20 Ca Calcio 40.08 | 21 Sc Escandio 44.96 | 22 Ti Titanio 47.87 | 23 V Vanadio 50.94 | 24 Cr Cromo 52.00 | 25 Mn Manganeso 54.94 | 26 Fe Hierro 55.85 | 27 Co Cobalto 58.93 | 28 Ni Níquel 58.69 | 29 Cu Cobre 63.55 | 30 Zn Zinc 65.41 | 31 Ga Gallo 69.72 | 32 Ge Germanio 72.64 | 33 As Arsénico 74.92 | 34 Se Selenio 78.96 | 35 Br Bromo 79.90 | 36 Kr Kriptón 83.80 | | | | | | | | | | | | | | | | | | |
| 37 Rb Rubidio 85.47 | 38 Sr Estroncio 87.62 | 39 Y Itrio 88.91 | 40 Zr Zirconio 91.22 | 41 Nb Niobio 92.91 | 42 Mo Molibdeno 95.94 | 43 Tc Tecnecio [98] | 44 Ru Rutenio 101.1 | 45 Rh Rodio 102.9 | 46 Pd Paladio 106.4 | 47 Ag Plata 107.9 | 48 Cd Cadmio 112.4 | 49 In Indio 114.8 | 50 Sn Estaño 118.7 | 51 Sb Antimonio 121.8 | 52 Te Telurio 127.6 | 53 I Yodo 126.9 | 54 Xe Xenón 131.3 | | | | | | | | | | | | | | | | | | |
| 55 Cs Cesio 132.9 | 56 Ba Bario 137.3 | 57-71 Lantánidos | 72 Hf Hafnio 178.5 | 73 Ta Tantalio 180.9 | 74 W Tungsteno 183.8 | 75 Re Renio 186.2 | 76 Os Osmio 190.2 | 77 Ir Iridio 192.2 | 78 Pt Platino 195.1 | 79 Au Oro 197.0 | 80 Hg Mercurio 200.6 | 81 Tl Talio 204.4 | 82 Pb Plomo 207.2 | 83 Bi Bismuto 209.0 | 84 Po Polonio [209] | 85 At Astatio [210] | 86 Rn Radón [222] | | | | | | | | | | | | | | | | | | |
| 87 Fr Francio [223] | 88 Ra Radio [226] | 89-103 Actinidos | 104 Rf Rutherfordio [261] | 105 Db Dubnio [262] | 106 Sg Seaborgio [266] | 107 Bh Bohrio [264] | 108 Hs Hassio [277] | 109 Mt Meitnerio [268] | 110 Ds Darmstadtio [271] | 111 Rg Roentgenio [272] | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 57 La Lantano 138.9 | 58 Ce Cerio 140.1 | 59 Pr Praseodimio 140.9 | 60 Nd Neodimio 144.2 | 61 Pm Prometio [145] | 62 Sm Samario 150.4 | 63 Eu Europio 152.0 | 64 Gd Gadolinio 157.3 | 65 Tb Terbio 158.9 | 66 Dy Disprosio 162.5 | 67 Ho Holmio 164.9 | 68 Er Erbio 167.3 | 69 Tm Tulio 168.9 | 70 Yb Iterbio 173.0 | 71 Lu Lutecio 175.0 | | | | | | | | | | | | | | | | | | | | | |
| 89 Ac Actinio [227] | 90 Th Torio 232.0 | 91 Pa Protactinio 231.0 | 92 U Uranio 238.0 | 93 Np Neptunio [237] | 94 Pu Plutonio [244] | 95 Am Americio [243] | 96 Cm Curio [247] | 97 Bk Berkelio [247] | 98 Cf Californio [251] | 99 Es Einstenio [252] | 100 Fm Fermio [257] | 101 Md Mendelevio [258] | 102 No Nobelio [259] | 103 Lr Lawrencio [262] | | | | | | | | | | | | | | | | | | | | | |