|  |  |  |
| --- | --- | --- |
| **Elements s** | Elements de transició - Elements d | Elements p |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1** | **2** | **d1** | **d2** | **d3** | **d4** | **d5** | **d6** | **d7** | **d8** | **d9** | **d10** | **3** | **4** | **5** | **6** | **7** | **8** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 H |  |  | 8 O | 80 Hg |  | Clau de la Taula |  |  |  |  |  |  | 2 He |
| Hidrogen |  |  | ElementGasos | ElementLíquid |  |  |  |  |  |  |  | Heli |
| 1.0079 |  |  |  |  |  |  |  |  |  | 4.0026 |
| **±1** |  |  |  |  |  |  |  |  |  | **0** |
| 3 Li | 4 Be |  | 26 Fe | 43 Tc |  | Nombre atòmic →Massa atòmica → | 1 H | ← Símbol← Nom |  | 5 B | 6 C | 7 N | 8 O | 9 F | 10 Ne |
| Liti | Beril·li |  | ElementSòlid | ElementSintètic |  | Hidrogen |  | Bor | Carboni | Nitrogen | Oxigen | Fluor | Neó |
| 6.941 | 9.0122 |  |  | 1.0079 |  | 10.811 | 12.011 | 14.0067 | 15.9994 | 18.9984 | 20.1797 |
| **1** | **2** |  |  | **±1** |  | **3** | **±4**,2 | 5,4,**±3**,2 | **-2** | **-1** | **0** |
| 11 Na | 12 Mg |  |  |  |  | ↑ |  | 13 Al | 14 Si | 15 P | 16 S | 17 Cl | 18 Ar |
| Sodi | Magnesi |  |  |  |  | València (en negreta la més estable) |  | Alumini | Silici | Fòsfor | Sofre | Clor | Argó |
| 22.9898 | 24.3050 |  |  |  |  |  | 26.9815 | 28.0855 | 30.9738 | 32.066 | 35.4527 | 39.948 |
| **1** | **2** |  |  |  |  |  |  |  |  |  |  | **3** | **4** | **5**,4,±3 | **6**,4,±2 | 7,5,3,**±1** | **0** |
| 19 K | 20 Ca | 21 Sc | 22 Ti | 23 V | 24 Cr | 25 Mn | 26 Fe | 27 Co | 28 Ni | 29 Cu | 30 Zn | 31 Ga | 32 Ge | 33 As | 34 Se | 35 Br | 36 Kr |
| Potassi | Calci | Escandi | Titani | Vanadi | Crom | Manganès | Ferro | Cobalt | Níquel | Coure | Cinc | Gal·li | Germani | Arsènic | Seleni | Brom | Criptó |
| 39.0983 | 40.078 | 44.9559 | 47.867 | 50.9415 | 51.9961 | 54.9380 | 55.845 | 58.9332 | 58.6934 | 63.546 | 65.39 | 69.723 | 72.61 | 74.9216 | 78.96 | 79.904 | 83.80 |
| **1** | **2** | **3** | **4**,3 | **5**,4,3,2 | 6,**3**,2 | 7,6,4,3,**2** | **3**,2 | 3,**2** | 3,**2** | **2**,1 | **2** | **3** | **4** | 5,**±3** | 6,**4**,-2 | 5,**±1** | **0** |
| 37 Rb | 38 Sr | 39 Y | 40 Zr | 41 Nb | 42 Mo | 43 Tc | 44 Ru | 45 Rh | 46 Pd | 47 Ag | 48 Cd | 49 In | 50 Sn | 51 Sb | 52 Te | 53 I | 54 Xe |
| Rubidi | Estronci | Itri | Zirconi | Niobi | Molibdè | Tecneci | Ruteni | Rodi | Pal·ladi | Plata | Cadmi | Indi | Estany | Antimoni | Tel·lur | Iode | Xenó |
| 85.4678 | 87.62 | 88.9059 | 91.224 | 92.9064 | 95.94 | (99) | 101.07 | 102.9055 | 106.4 | 107.8682 | 112.411 | 114.818 | 118.710 | 121.760 | 127.60 | 126.9045 | 131.29 |
| **1** | **2** | **3** | **4** | **5**,3 | **6**,5,4,3,2 | **7** | 8,6,**4**,3,2 | 4,**3**,2 | 4,**2** | **1** | **2** | **3** | **4**,2 | 5,**±3** | 6,**4**,-2 | 7,5,**±1** | 6,**0** |
| 55 Cs | 56 Ba | 711 Lu | 72 Hf | 73 Ta | 74 W | 75 Re | 76 Os | 77 Ir | 78 Pt | 79 Au | 80 Hg | 81 Tl | 82 Pb | 83 Bi | 84 Po | 85 At | 86 Rn |
| Cesi | Bari | Luteci | Hafni | Tàntal | Wolframi | Reni | Osmi | Iridi | Platí | Or | Mercuri | Tali | Plom | Bismut | Poloni | Àstat | Radó |
| 132.9054 | 137.327 | 174.967 | 178.49 | 180.9479 | 183.84 | 186.207 | 190.23 | 192.22 | 195.08 | 196.9665 | 200.59 | 204.3833 | 207.2 | 208.9804 | (210) | (210) | (222) |
| **1** | **2** | **3** | **4** | **5** | **6**,5,4,3,2 | **7**,6,4,2,-1 | 8,6,**4**,3,2 | 6,**4**,3,2 | **4**,2 | **3**,1 | **2**,1 | 3,**1** | 4,**2** | 5,**3** | **4**,2 | 7,5,3,**±1** | **0** |
| 87 Fr | 88 Ra | 1032 Lw | 104 Rf | 105 Db | 106 Sg | 107 Bh | 108 Hs | 109 Mt | 110 Ds | 111 Rg | 112 Uub | 113 Uut | 114 Uuq | 115 Uup | 116 Uuh | 117 Uus | 118 Uuo |
| Franci | Radi | Laurenci | Rutherfordi | Dubni | Seaborgi | Bohri | Hassi | Meitneri | Darmstadti | Roetgeni | Ununbi | Ununtri | Ununquadi | Unupenti | Ununhexi | Ununsepti | Ununocti |
| 223 | 226 | (257) | (261) | (262) | (266) | (264) | (267) | (268) | (271) | (272) | (285) | (284) | (289) | (288) | (292) | (¿?) | (¿?) |
| **1** | **2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **Elements de transició interna - Elements f** |  |  |
|  |  | **f1** | **f2** | **f3** | **f4** | **f5** | **f6** | **f7** | **f8** | **f9** | **f10** | **f11** | **f12** | **f13** | **f14** |  |  |
| **Lantànids1** | 57 La | 58 Ce | 59 Pr | 60 Nd | 61 Pm | 62 Sm | 63 Eu | 64 Gd | 65 Tb | 66 Dy | 67 Ho | 68 Er | 69 Tm | 70 Yb |  |  |
|  |  | Lantà | Ceri | Praseodimi | Neodimi | Prometi | Samari | Europi | Gadolini | Terbi | Disprosi | Holmi | Erbi | Tuli | Iterbi |  |  |
|  |  | 138.9055 | 140.12 | 140.9076 | 144.24 | (147) | 150.36 | 151.965 | 157.25 | 158.9253 | 162.50 | 164.9303 | 167.26 | 168.9342 | 173.04 |  |  |
|  |  | **3** | 4,**3** | **4,3** | **3** | **3** | **3**,2 | **3**,2 | **3** | 4,**3** | **3** | **3** | **3** | **3**,2 | **3**,2 |  |  |
| **Actínids2** | 89 Ac | 90 Th | 91 Pa | 92 U | 93 Np | 94 Pu | 95 Am | 96 Cm | 97 Bk | 98 Cf | 99 Es | 100 Fm | 101 Md | 102 No |  |  |
|  |  | Actini | Tori | Protoactini | Urani | Neptuni | Plutoni | Americi | Curi | Berkeli | Californi | Einsteni | Fermi | Mendelevi | Nobeli |  |  |
|  |  | 227 | 232.0381 | 231.0359 | 238.0289 | (237) | (242) | (243) | (247) | (247) | (251) | (254) | (253) | (256) | (254) |  |  |
|  |  | **3** | **4** | **5,4** | **6**,5,4,3 | 6,**5**,4,3 | 6,5,**4**,3 | 6,5,4,**3** | **3** | 4,**3** | **3** |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  |  |  |  |  |  |  |  |
| 1 H |  |  |  |  |  |  | 2 He |
| Hidrogen |  |  |  |  |  |  | Heli |
| 1.0079 |  |  |  |  |  |  | 4.0026 |
| **±1** |  |  |  |  |  |  | **0** |
| 3 Li | 4 Be | 5 B | 6 C | 7 N | 8 O | 9 F | 10 Ne |
| Liti | Beril·li | Bor | Carboni | Nitrogen | Oxigen | Fluor | Neó |
| 6.941 | 9.0122 | 10.811 | 12.011 | 14.0067 | 15.9994 | 18.9984 | 20.1797 |
| **1** | **2** | **3** | **±4**,2 | 5,4,**±3**,2 | **-2** | **-1** | **0** |
| 11 Na | 12 Mg | 13 Al | 14 Si | 15 P | 16 S | 17 Cl | 18 Ar |
| Sodi | Magnesi | Alumini | Silici | Fòsfor | Sofre | Clor | Argó |
| 22.9898 | 24.3050 | 26.9815 | 28.0855 | 30.9738 | 32.066 | 35.4527 | 39.948 |
| **1** | **2** | **3** | **4** | **5**,4,±3 | **6**,4,±2 | 7,5,3,**±1** | **0** |
| 19 K | 20 Ca | 31 Ga | 32 Ge | 33 As | 34 Se | 35 Br | 36 Kr |
| Potassi | Calci | Gal·li | Germani | Arsènic | Seleni | Brom | Criptó |
| 39.0983 | 40.078 | 69.723 | 72.61 | 74.9216 | 78.96 | 79.904 | 83.80 |
| **1** | **2** | **3** | **4** | 5,**±3** | 6,**4**,-2 | 5,**±1** | **0** |
| 37 Rb | 38 Sr | 49 In | 50 Sn | 51 Sb | 52 Te | 53 I | 54 Xe |
| Rubidi | Estronci | Indi | Estany | Antimoni | Tel·lur | Iode | Xenó |
| 85.4678 | 87.62 | 114.818 | 118.710 | 121.760 | 127.60 | 126.9045 | 131.29 |
| **1** | **2** | **3** | **4**,2 | 5,**±3** | 6,**4**,-2 | 7,5,**±1** | 6,**0** |
| 55 Cs | 56 Ba | 81 Tl | 82 Pb | 83 Bi | 84 Po | 85 At | 86 Rn |
| Cesi | Bari | Tali | Plom | Bismut | Poloni | Astat | Radó |
| 132.9054 | 137.327 | 204.3833 | 207.2 | 208.9804 | (210) | (210) | (222) |
| **1** | **2** | 3,**1** | 4,**2** | 5,**3** | **4**,2 | 7,5,3,**±1** | **0** |
| 87 Fr | 88 Ra |  |  |  |  |  |  |
| Franci | Radi |  |  |  |  |  |  |
| 223 | 226 |  |  |  |  |  |  |
| **1** | **2** |  |  |  |  |  |  |

|  |
| --- |
| **Elements de transició** |
|  |  |  |  |  |
| **d4** | **d5** | **d6** | **d7** | **d8** | **d9** | **d10** |
|  |  |  |  |  |  |  |
| 24 Cr | 25 Mn | 26 Fe | 27 Co | 28 Ni | 29 Cu | 30 Zn |
| Crom | Manganès | Ferro | Cobalt | Níquel | Coure | Cinc |
| 51.9961 | 54.9380 | 55.845 | 58.9332 | 58.6934 | 63.546 | 65.39 |
| **3**,2 | 4,3,**2** | **3**,2 | 3,**2** | 3,**2** | **2**,1 | **2** |
|  |  |  |  | 46 Pd | 47 Ag | 48 Cd |
|  |  |  |  | Pal·ladi | Plata | Cadmi |
|  |  |  |  | 106.4 | 107.8682 | 112.411 |
|  |  |  |  | 4,**2** | **1** | **2** |
|  |  |  |  | 78 Pt | 79 Au | 80 Hg |
|  |  |  |  | Platí | Or | Mercuri |
|  |  |  |  | 195.08 | 196.9665 | 200.59 |
|  |  |  |  | **4**,2 | **3**,1 | **2**,1 |