

|                |  |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |             |  |
|----------------|--|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------|--|-------------|--|
| 11.0079        |  | TABLA PERIÓDICA DE LOS ELEMENTOS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  | 4.002602    |  |
| H<br>Hidrógeno |  |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  | He<br>Helio |  |
| 2              |  |                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  | 10          |  |
| 36.941         |  | 9.0122                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20.180         |  |             |  |
| Li<br>Litio    |  | Be<br>Berilio                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Ne<br>Neón     |  |             |  |
| 22.990         |  | 24.305                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 39.948         |  |             |  |
| Na<br>Sodio    |  | Mg<br>Magnesio                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Ar<br>Argón    |  |             |  |
| 39.098         |  | 40.078                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 83.8           |  |             |  |
| K<br>Potasio   |  | Ca<br>Calcio                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Kr<br>Kriptón  |  |             |  |
| 85.468         |  | 87.62                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 131.29         |  |             |  |
| Rb<br>Rubidio  |  | Sr<br>Estroncio                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Xe<br>Xenón    |  |             |  |
| 132.91         |  | 137.33                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 222            |  |             |  |
| Cs<br>Cesio    |  | Ba<br>Bario                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Rn<br>Radón    |  |             |  |
| 223            |  | 226                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 294            |  |             |  |
| Fr<br>Francio  |  | Ra<br>Radio                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Og<br>Oganesón |  |             |  |

METALES ALCALINOS

METALES ALCALINOTÉRREOS

LANTANOIDES

ACTINOIDES

METALES DE TRANSICIÓN

OTROS METALES

SEMIMETALES

NO METALES

GASES NOBLES

Z

Masa

Símbolo

Estado

Nombre

Estado a  $T$  ambiente

→ Sólido

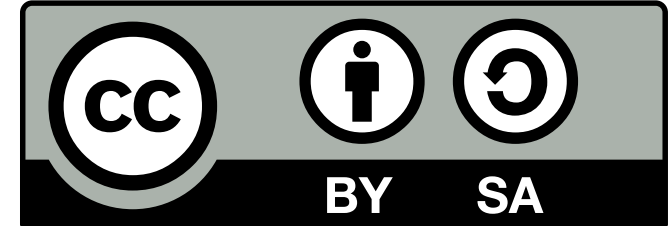
→ Líquido

→ Gas

→ Radiactivo

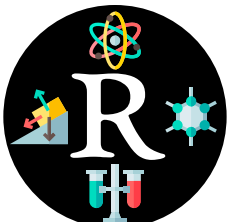
SINTÉTICOS

|                 |  |                    |  |               |  |                 |  |                 |  |               |  |                 |  |                  |  |                  |  |                  |  |               |  |                |  |                 |  |                  |  |              |  |                |  |
|-----------------|--|--------------------|--|---------------|--|-----------------|--|-----------------|--|---------------|--|-----------------|--|------------------|--|------------------|--|------------------|--|---------------|--|----------------|--|-----------------|--|------------------|--|--------------|--|----------------|--|
| 3               |  | 4                  |  | 5             |  | 6               |  | 7               |  | 8             |  | 9               |  | 10               |  | 11               |  | 12               |  | 13            |  | 14             |  | 15              |  | 16               |  | 17           |  | 18             |  |
| 2144.956        |  | 2247.867           |  | 2350.942      |  | 2451.996        |  | 2554.938        |  | 2655.845      |  | 2758.933        |  | 2858.693         |  | 2963.546         |  | 3065.39          |  | 3169.723      |  | 3272.64        |  | 3374.922        |  | 3478.96          |  | 3579.904     |  | 3683.8         |  |
| Sc<br>Escandio  |  | Ti<br>Titanio      |  | V<br>Vanadio  |  | Cr<br>Cromo     |  | Mn<br>Manganeso |  | Fe<br>Hierro  |  | Co<br>Cobalto   |  | Ni<br>Níquel     |  | Cu<br>Cobre      |  | Zn<br>Zinc       |  | Ga<br>Galio   |  | Ge<br>Germanio |  | As<br>Arsénico  |  | Se<br>Selenio    |  | Br<br>Bromo  |  | Kr<br>Kriptón  |  |
| 3988.906        |  | 4091.224           |  | 4192.906      |  | 4295.94         |  | 4396            |  | 44101.07      |  | 45102.91        |  | 46106.42         |  | 47107.87         |  | 48112.41         |  | 49114.82      |  | 50118.71       |  | 51121.76        |  | 52127.6          |  | 53126.9      |  | 54131.29       |  |
| Y<br>Ytrio      |  | Zr<br>Zirconio     |  | Nb<br>Niobio  |  | Mo<br>Molibdeno |  | Tc<br>Tecnecio  |  | Ru<br>Rutenio |  | Rh<br>Rodio     |  | Pd<br>Paladio    |  | Ag<br>Plata      |  | Cd<br>Cadmio     |  | In<br>Indio   |  | Sn<br>Estaño   |  | Sb<br>Antimonio |  | Te<br>Telurio    |  | I<br>Iodo    |  | Xe<br>Xenón    |  |
| 71174.97        |  | 72178.49           |  | 73180.95      |  | 74183.84        |  | 75186.21        |  | 76190.23      |  | 77192.22        |  | 78195.08         |  | 79196.97         |  | 80200.59         |  | 81204.38      |  | 82207.2        |  | 83208.98        |  | 84209            |  | 85210        |  | 86222          |  |
| Lu<br>Lutecio   |  | Hf<br>Hafnio       |  | Ta<br>Tántalo |  | W<br>Wolframio  |  | Re<br>Renio     |  | Os<br>Osmio   |  | Ir<br>Iridio    |  | Pt<br>Platino    |  | Au<br>Oro        |  | Hg<br>Mercurio   |  | Tl<br>Talio   |  | Pb<br>Plomo    |  | Bi<br>Bismuto   |  | Po<br>Polonio    |  | At<br>Ástato |  | Rn<br>Radón    |  |
| 103262          |  | 104261             |  | 105262        |  | 106266          |  | 107264          |  | 108277        |  | 109268          |  | 110281           |  | 111280           |  | 112285           |  | 113284        |  | 114289         |  | 115288          |  | 116293           |  | 117292       |  | 118294         |  |
| Lr<br>Lawrencio |  | Rf<br>Rutherfordio |  | Db<br>Dubnio  |  | Sg<br>Seaborgio |  | Bh<br>Bohrio    |  | Hs<br>Hasio   |  | Mt<br>Meitnerio |  | Ds<br>Darmstatio |  | Rg<br>Roentgenio |  | Cn<br>Copernicio |  | Nh<br>Nihonio |  | Fl<br>Flerovio |  | Mc<br>Moscovio  |  | Lv<br>Livermorio |  | Ts<br>Teneso |  | Og<br>Oganesón |  |



Rodrigo Alcaraz de la Osa

@alcarazr



|                   |                 |                       |                    |                    |                   |                   |                     |                  |                     |                  |                 |                 |                   |
|-------------------|-----------------|-----------------------|--------------------|--------------------|-------------------|-------------------|---------------------|------------------|---------------------|------------------|-----------------|-----------------|-------------------|
| 57138.91          | 58140.12        | 59140.91              | 60144.24           | 61145              | 62150.36          | 63151.96          | 64157.25            | 65158.93         | 66162.50            | 67164.93         | 68167.26        | 69168.93        | 70173.04          |
| La<br><br>Lantano | Ce<br><br>Cerio | Pr<br><br>Praseodimio | Nd<br><br>Neodimio | Pm<br><br>Prometio | Sm<br><br>Samario | Eu<br><br>Europio | Gd<br><br>Gadolinio | Tb<br><br>Terbio | Dy<br><br>Disprosio | Ho<br><br>Holmio | Er<br><br>Erbio | Tm<br><br>Tulio | Yb<br><br>Yterbio |

|                   |                 |                       |                 |                    |                    |                    |                 |                    |                      |                      |                  |                      |                   |
|-------------------|-----------------|-----------------------|-----------------|--------------------|--------------------|--------------------|-----------------|--------------------|----------------------|----------------------|------------------|----------------------|-------------------|
| 89227             | 90232.04        | 91231.04              | 92238.03        | 93237              | 94244              | 95243              | 96247           | 97247              | 98251                | 99252                | 100257           | 101258               | 102259            |
| Ac<br><br>Actinio | Th<br><br>Torio | Pa<br><br>Protactinio | U<br><br>Uranio | Np<br><br>Neptunio | Pu<br><br>Plutonio | Am<br><br>Americio | Cm<br><br>Curio | Bk<br><br>Berkelio | Cf<br><br>Californio | Es<br><br>Einsteinio | Fm<br><br>Fermio | Md<br><br>Mendelevio | No<br><br>Nobelio |