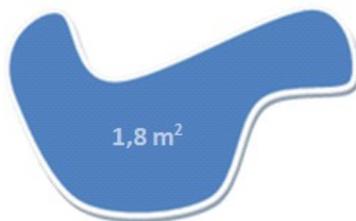


Estructura de nuestro Universo.

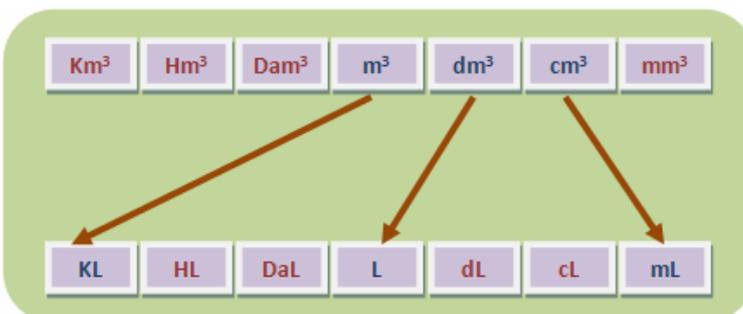
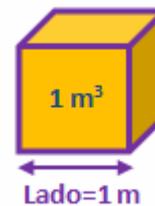
### LONGITUD



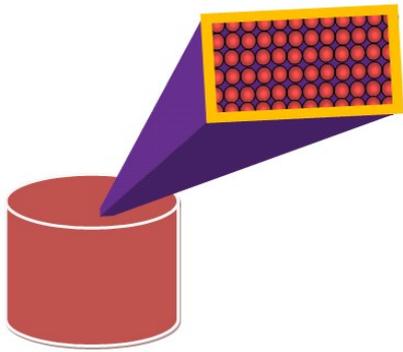
### SUPERFICIE



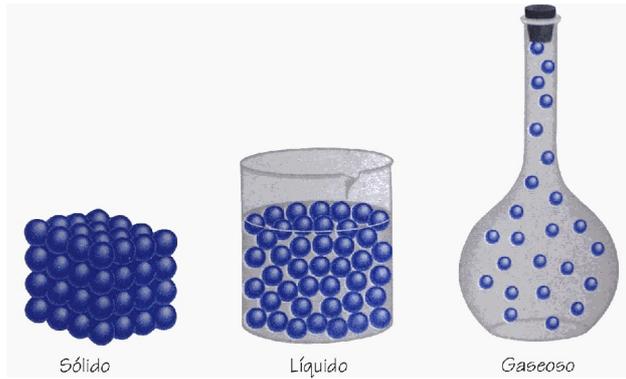
### VOLUMEN



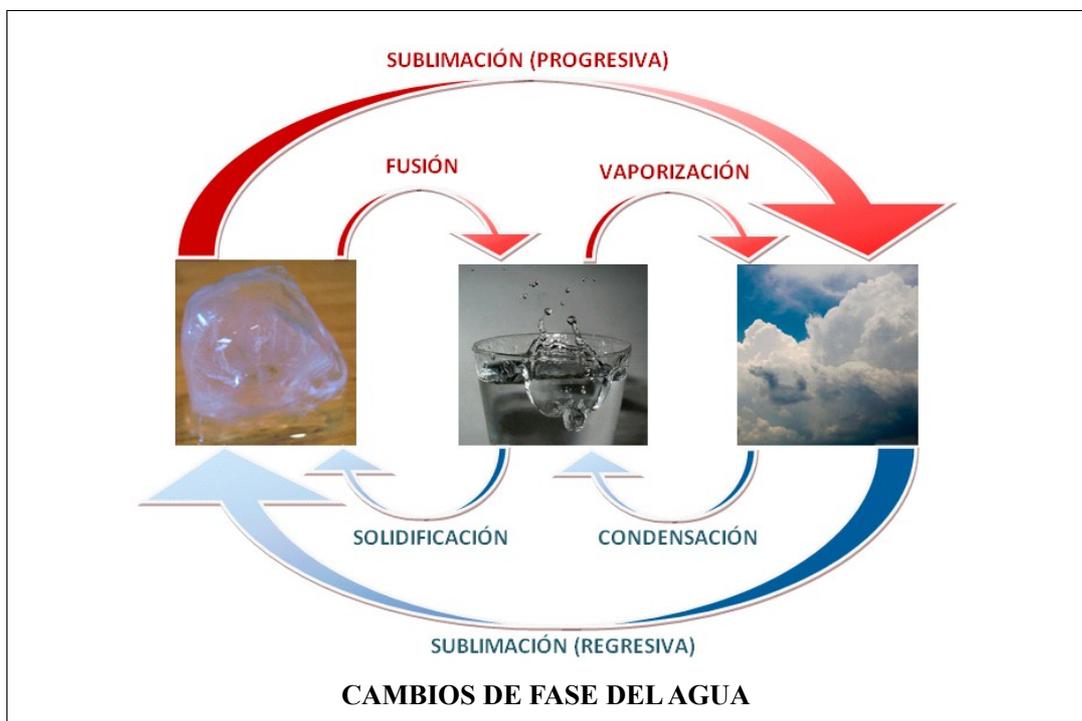
RELACIÓN ENTRE DOS UNIDADES DE VOLUMEN



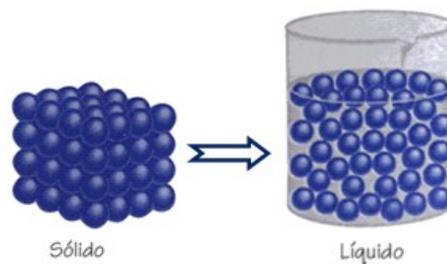
**TEORÍA CINÉTICO-MOLECULAR-DISCONTINUIDAD DE LA MATERIA**



**FASES FUNDAMENTALES DE LA MATERIA**



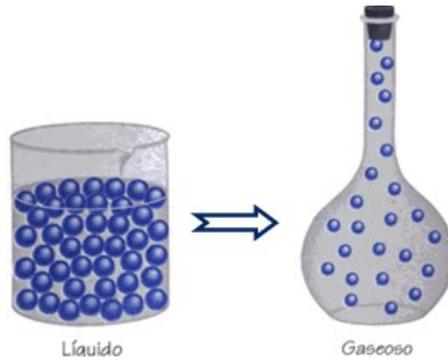
**SUBLIMACIÓN**



**TEORÍA CINÉTICO-MOLECULAR - FUSIÓN**



FUSIÓN



TEORÍA CINÉTICO-MOLECULAR - VAPORIZACIÓN

ÁTOMOS DE ALGUNOS ELEMENTOS



H = Hidrógeno



O = Oxígeno

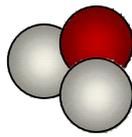


Fe = Hierro



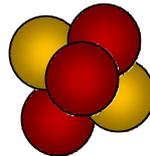
Na = Sodio

MOLÉCULA

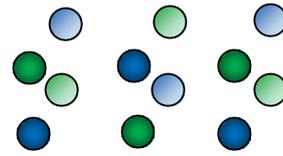


H<sub>2</sub>O (agua)

CRISTALES



Fe<sub>2</sub>O<sub>3</sub>



NaCl (sal común)

| Group \ Period | 1        | 2        | 3        | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12         | 13         | 14         | 15         | 16         | 17         | 18         |
|----------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| 1              | 1<br>H   |          |          |           |           |           |           |           |           |           |           |            |            |            |            |            |            | 2<br>He    |
| 2              | 3<br>Li  | 4<br>Be  |          |           |           |           |           |           |           |           |           |            | 5<br>B     | 6<br>C     | 7<br>N     | 8<br>O     | 9<br>F     | 10<br>Ne   |
| 3              | 11<br>Na | 12<br>Mg |          |           |           |           |           |           |           |           |           |            | 13<br>Al   | 14<br>Si   | 15<br>P    | 16<br>S    | 17<br>Cl   | 18<br>Ar   |
| 4              | 19<br>K  | 20<br>Ca | 21<br>Sc | 22<br>Ti  | 23<br>V   | 24<br>Cr  | 25<br>Mn  | 26<br>Fe  | 27<br>Co  | 28<br>Ni  | 29<br>Cu  | 30<br>Zn   | 31<br>Ga   | 32<br>Ge   | 33<br>As   | 34<br>Se   | 35<br>Br   | 36<br>Kr   |
| 5              | 37<br>Rb | 38<br>Sr | 39<br>Y  | 40<br>Zr  | 41<br>Nb  | 42<br>Mo  | 43<br>Tc  | 44<br>Ru  | 45<br>Rh  | 46<br>Pd  | 47<br>Ag  | 48<br>Cd   | 49<br>In   | 50<br>Sn   | 51<br>Sb   | 52<br>Te   | 53<br>I    | 54<br>Xe   |
| 6              | 55<br>Cs | 56<br>Ba |          | 72<br>Hf  | 73<br>Ta  | 74<br>W   | 75<br>Re  | 76<br>Os  | 77<br>Ir  | 78<br>Pt  | 79<br>Au  | 80<br>Hg   | 81<br>Tl   | 82<br>Pb   | 83<br>Bi   | 84<br>Po   | 85<br>At   | 86<br>Rn   |
| 7              | 87<br>Fr | 88<br>Ra |          | 104<br>Rf | 105<br>Db | 106<br>Sg | 107<br>Bh | 108<br>Hs | 109<br>Mt | 110<br>Ds | 111<br>Rg | 112<br>Uub | 113<br>Uut | 114<br>Uuq | 115<br>Uup | 116<br>Uuh | 117<br>Uus | 118<br>Uuo |

|             |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Lanthanides | 57<br>La | 58<br>Ce | 59<br>Pr | 60<br>Nd | 61<br>Pm | 62<br>Sm | 63<br>Eu | 64<br>Gd | 65<br>Tb | 66<br>Dy | 67<br>Ho | 68<br>Er  | 69<br>Tm  | 70<br>Yb  | 71<br>Lu  |
| Actinides   | 89<br>Ac | 90<br>Th | 91<br>Pa | 92<br>U  | 93<br>Np | 94<br>Pu | 95<br>Am | 96<br>Cm | 97<br>Bk | 98<br>Cf | 99<br>Es | 100<br>Fm | 101<br>Md | 102<br>No | 103<br>Lr |

No metales
  Metales
  Metaloides

TABLA PERIÓDICA

## DISOLUCIONES SÓLIDAS



Latón

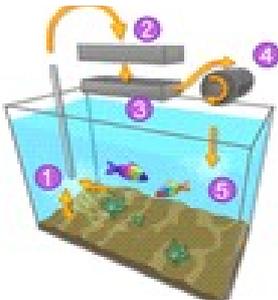


Amalgama de plata

## IMANTACIÓN O SEPARACIÓN MAGNÉTICA.



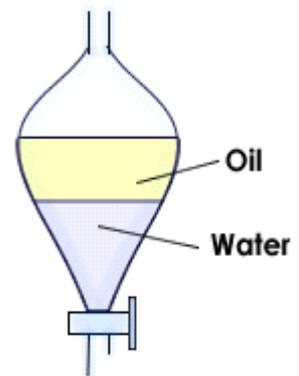
TAMIZACIÓN O CRIBADO.



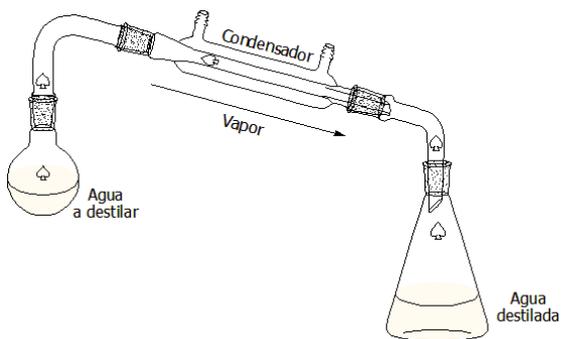
FILTRACIÓN.



EVAPORACIÓN.



DECANTACIÓN.



DESTILADOR DE LABORATORIO.



ALAMBIQUE DE COBRE.

