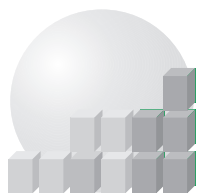


# TABLA PERIÓDICA DE LOS ELEMENTOS

|                                  |    |    |    |        |      |     |     |     |     |     |     |     |       |     |     |     |     |       |     |      |    |     |    |    |    |     |    |      |    |
|----------------------------------|----|----|----|--------|------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-------|-----|------|----|-----|----|----|----|-----|----|------|----|
| TABLA PERIODICA DE LOS ELEMENTOS |    |    |    |        |      |     |     |     |     |     |     |     |       |     |     |     |     |       |     |      |    |     |    |    |    |     |    |      |    |
| 1                                | IA | 1  |    |        |      |     |     |     |     |     |     |     |       |     |     |     | 18  | VIIIA | 2   |      |    |     |    |    |    |     |    |      |    |
| 2                                |    | 3  | 2  | IIA    |      |     |     |     |     |     |     |     |       |     |     |     |     |       | 13  | IIIA | 14 | IVA | 15 | VA | 16 | VIA | 17 | VIIA | 10 |
| 3                                |    | 11 | 12 |        |      |     |     |     |     |     |     |     |       |     |     |     |     | 13    |     | 14   |    | 15  |    | 16 |    | 17  |    | 18   |    |
| 4                                |    | 19 | 20 | 3      | IIIB | 4   | IVB | 5   | VB  | 6   | VIB | 7   | VIIIB | 8   | 9   | 10  | 11  | IB    | 12  | IIIB | 31 | 32  | 33 | 34 | 35 | 36  |    |      |    |
| 5                                |    | 37 | 38 | 39     | 40   | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48    | 49  | 50  | 51  | 52  | 53    | 54  |      |    |     |    |    |    |     |    |      |    |
| 6                                |    | 55 | 56 | 57-71  | 72   | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80    | 81  | 82  | 83  | 84  | 85    | 86  |      |    |     |    |    |    |     |    |      |    |
| 7                                |    | 87 | 88 | 89-103 | 104  | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112   | 113 | 114 | 115 | 116 | 117   | 118 |      |    |     |    |    |    |     |    |      |    |

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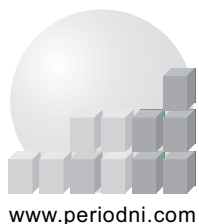
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|    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |
|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68  | 69  | 70  | 71  |
| 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 |

# TABLA PERIÓDICA DE LOS ELEMENTOS

|                                  |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|----------------------------------|-----------------------------------------------------------|----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|----|
| TABLA PERIODICA DE LOS ELEMENTOS |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
| 1                                | IA                                                        |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | VIIIA |    |    |
| 1                                | 1                                                         |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2     |    |    |
|                                  | H                                                         |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     | He    |    |    |
| 2                                | IIA                                                       |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 3                                                         | 4  |        |     |     |     |     |     |     |     |     |     |     |     | 5   | 6   | 7   | 8     | 9  | 10 |
|                                  | Li                                                        | Be |        |     |     |     |     |     |     |     |     |     |     |     | B   | C   | N   | O     | F  | Ne |
| 3                                |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 11                                                        | 12 |        |     |     |     |     |     |     |     |     |     |     |     | 13  | 14  | 15  | 16    | 17 | 18 |
|                                  | Na                                                        | Mg |        |     |     |     |     |     |     |     |     |     |     |     | Al  | Si  | P   | S     | Cl | Ar |
| 4                                | 3 IIIB 4 IVB 5 VB 6 VIB 7 VIIB 8 VIII B 9 10 11 IB 12 IIB |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 19                                                        | 20 | 21     | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36    |    |    |
|                                  | K                                                         | Ca | Sc     | Ti  | V   | Cr  | Mn  | Fe  | Co  | Ni  | Cu  | Zn  | Ga  | Ge  | As  | Se  | Br  | Kr    |    |    |
| 5                                |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 37                                                        | 38 | 39     | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54    |    |    |
|                                  | Rb                                                        | Sr | Y      | Zr  | Nb  | Mo  | Tc  | Ru  | Rh  | Pd  | Ag  | Cd  | In  | Sn  | Sb  | Te  | I   | Xe    |    |    |
| 6                                |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 55                                                        | 56 | 57-71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 85  | 86    |    |    |
|                                  | Cs                                                        | Ba | La-Lu  | Hf  | Ta  | W   | Re  | Os  | Ir  | Pt  | Au  | Hg  | Tl  | Pb  | Bi  | Po  | At  | Rn    |    |    |
| 7                                |                                                           |    |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |    |    |
|                                  | 87                                                        | 88 | 89-103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118   |    |    |
|                                  | Fr                                                        | Ra | Ac-Lr  | Rf  | Db  | Sg  | Bh  | Hs  | Mt  | Ds  | Rg  | Cn  | Nh  | Fl  | Mc  | Lv  | Ts  | Og    |    |    |

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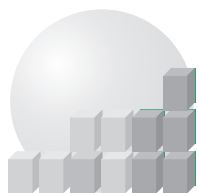
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|                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |          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

# TABLA PERIÓDICA DE LOS ELEMENTOS

|                                  |       |        |              |        |           |        |       |           |            |            |            |         |          |          |            |        |          |
|----------------------------------|-------|--------|--------------|--------|-----------|--------|-------|-----------|------------|------------|------------|---------|----------|----------|------------|--------|----------|
| TABLA PERIÓDICA DE LOS ELEMENTOS |       |        |              |        |           |        |       |           |            |            |            |         |          |          |            |        |          |
| 1                                | 2     |        |              |        |           |        |       |           |            |            |            |         |          |          |            | 18     |          |
| 1                                | 2     |        |              |        |           |        |       |           |            |            |            |         |          |          |            | 18     |          |
| 3                                | 4     |        |              |        |           |        |       |           |            |            |            |         |          |          |            | 10     |          |
| 11                               | 12    |        |              |        |           |        |       |           |            |            |            |         |          |          |            | 18     |          |
| 19                               | 20    | 3      | 4            | 5      | 6         | 7      | 8     | 9         | 10         | 11         | 12         | 13      | 14       | 15       | 16         | 17     | 18       |
| 37                               | 38    | 39     | 40           | 41     | 42        | 43     | 44    | 45        | 46         | 47         | 48         | 49      | 50       | 51       | 52         | 53     | 54       |
| 55                               | 56    | 57-71  | 72           | 73     | 74        | 75     | 76    | 77        | 78         | 79         | 80         | 81      | 82       | 83       | 84         | 85     | 86       |
| 87                               | 88    | 89-103 | 104          | 105    | 106       | 107    | 108   | 109       | 110        | 111        | 112        | 113     | 114      | 115      | 116        | 117    | 118      |
| FRANCIO                          | RADIO |        | RUTHERFORDIO | DUBNIO | SEABORGIO | BOHRIO | HASIO | MEITNERIO | DARMSTATIO | ROENTGENIO | COPERNICIO | NIHONIO | FLEROVIO | MOSCOVIO | LIVERMORIO | TENESO | OGANESÓN |

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|---------------|-------------|-------------------|----------------|----------------|----------------|----------------|-----------------|----------------|------------------|-----------------|---------------|-------------------|----------------|------------------|
| 57<br>LANTANO | 58<br>CERIO | 59<br>PRASEODIMIO | 60<br>NEODIMIO | 61<br>PROMETIO | 62<br>SAMARIO  | 63<br>EUROPIO  | 64<br>GADOLINIO | 65<br>TERBIO   | 66<br>DISPROSIO  | 67<br>HOLMIO    | 68<br>ERBIO   | 69<br>TULIO       | 70<br>ITERBIO  | 71<br>LUTECIO    |
| 89<br>ACTINIO | 90<br>TORIO | 91<br>PROTACTINIO | 92<br>URANIO   | 93<br>NEPTUNIO | 94<br>PLUTONIO | 95<br>AMERICIO | 96<br>CURIO     | 97<br>BERKELIO | 98<br>CALIFORNIO | 99<br>EINSTENIO | 100<br>FERMIO | 101<br>MENDELEVIO | 102<br>NOBELIO | 103<br>LAWRENCIO |