

## CONFIGURACIONES ELECTRÓNICAS

|        |           |     |                                |
|--------|-----------|-----|--------------------------------|
| Z = 1  | Hidrógeno | H:  | $1s^1$                         |
| Z = 2  | Helio     | He: | $1s^2$                         |
| Z = 3  | Litio     | Li: | $[\text{He}]2s^1$              |
| Z = 4  | Berilio   | Be: | $[\text{He}]2s^2$              |
| Z = 5  | Boro      | B:  | $[\text{He}]2s^2 2p^1$         |
| Z = 6  | Carbono   | C:  | $[\text{He}]2s^2 2p^2$         |
| Z = 7  | Nitrógeno | N:  | $[\text{He}]2s^2 2p^3$         |
| Z = 8  | Oxígeno   | O:  | $[\text{He}]2s^2 2p^4$         |
| Z = 9  | Flúor     | F:  | $[\text{He}]2s^2 2p^5$         |
| Z = 10 | Neón      | Ne: | $[\text{He}]2s^2 2p^6$         |
| Z = 11 | Sodio     | Na: | $[\text{Ne}]3s^1$              |
| Z = 12 | Magnesio  | Mg: | $[\text{Ne}]3s^2$              |
| Z = 13 | Aluminio  | Al: | $[\text{Ne}]3s^2 3p^1$         |
| Z = 14 | Silicio   | Si: | $[\text{Ne}]3s^2 3p^2$         |
| Z = 15 | Fósforo   | P:  | $[\text{Ne}]3s^2 3p^3$         |
| Z = 16 | Azufre    | S:  | $[\text{Ne}]3s^2 3p^4$         |
| Z = 17 | Cloro     | Cl: | $[\text{Ne}]3s^2 3p^5$         |
| Z = 18 | Argón     | Ar: | $[\text{Ne}]3s^2 3p^6$         |
| Z = 19 | Potasio   | K:  | $[\text{Ar}]4s^1$              |
| Z = 20 | Calcio    | Ca: | $[\text{Ar}]4s^2$              |
| Z = 21 | Escandio  | Sc: | $[\text{Ar}]3d^1 4s^2$         |
| Z = 22 | Titanio   | Ti: | $[\text{Ar}]3d^2 4s^2$         |
| Z = 23 | Vanadio   | V:  | $[\text{Ar}]3d^3 4s^2$         |
| Z = 24 | Cromo     | Cr: | $[\text{Ar}]3d^5 4s^1$         |
| Z = 25 | Manganeso | Mn: | $[\text{Ar}]3d^5 4s^2$         |
| Z = 26 | Hierro    | Fe: | $[\text{Ar}]3d^6 4s^2$         |
| Z = 27 | Cobalto   | Co: | $[\text{Ar}]3d^7 4s^2$         |
| Z = 28 | Níquel    | Ni: | $[\text{Ar}]3d^8 4s^2$         |
| Z = 29 | Cobre     | Cu: | $[\text{Ar}]3d^{10} 4s^1$      |
| Z = 30 | Cinc      | Zn: | $[\text{Ar}]3d^{10} 4s^2$      |
| Z = 31 | Galio     | Ga: | $[\text{Ar}]3d^{10} 4s^2 4p^1$ |
| Z = 32 | Germanio  | Ge: | $[\text{Ar}]3d^{10} 4s^2 4p^2$ |
| Z = 33 | Arsénico  | As: | $[\text{Ar}]3d^{10} 4s^2 4p^3$ |
| Z = 34 | Selenio   | Se: | $[\text{Ar}]3d^{10} 4s^2 4p^4$ |
| Z = 35 | Bromo     | Br: | $[\text{Ar}]3d^{10} 4s^2 4p^5$ |
| Z = 36 | Kriptón   | Kr: | $[\text{Ar}]3d^{10} 4s^2 4p^6$ |
| Z = 37 | Rubidio   | Rb: | $[\text{Kr}]5s^1$              |
| Z = 38 | Estroncio | Sr: | $[\text{Kr}]5s^2$              |
| Z = 39 | Itrio     | Y:  | $[\text{Kr}]4d^1 5s^2$         |

|               |                  |            |                                                        |
|---------------|------------------|------------|--------------------------------------------------------|
| <b>Z = 40</b> | <b>Circonio</b>  | <b>Zr:</b> | <b>[Kr]4d<sup>2</sup>5s<sup>2</sup></b>                |
| <b>Z = 41</b> | <b>Niobio</b>    | <b>Nb:</b> | <b>[Kr]4d<sup>4</sup>5s<sup>1</sup></b>                |
| <b>Z = 42</b> | <b>Molibdeno</b> | <b>Mo:</b> | <b>[Kr]4d<sup>5</sup>5s<sup>1</sup></b>                |
| <b>Z = 43</b> | <b>Tecnecio</b>  | <b>Tc:</b> | <b>[Kr]4d<sup>5</sup>5s<sup>2</sup></b>                |
| <b>Z = 44</b> | <b>Rutenio</b>   | <b>Ru:</b> | <b>[Kr] 4d<sup>7</sup>5s<sup>1</sup></b>               |
| <b>Z = 45</b> | <b>Rodio</b>     | <b>Rh:</b> | <b>[Kr]4d<sup>8</sup>5s<sup>1</sup></b>                |
| <b>Z = 46</b> | <b>Paladio</b>   | <b>Pd:</b> | <b>[Kr]4d<sup>10</sup></b>                             |
| <b>Z = 47</b> | <b>Plata</b>     | <b>Ag:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>1</sup></b>               |
| <b>Z = 48</b> | <b>Cadmio</b>    | <b>Cd:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup></b>               |
| <b>Z = 49</b> | <b>Indio</b>     | <b>In:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>1</sup></b> |
| <b>Z = 50</b> | <b>Estaño</b>    | <b>Sn:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>2</sup></b> |
| <b>Z = 51</b> | <b>Antimonio</b> | <b>Sb:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>3</sup></b> |
| <b>Z = 52</b> | <b>Telurio</b>   | <b>Te:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>4</sup></b> |
| <b>Z = 53</b> | <b>Yodo</b>      | <b>I:</b>  | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>5</sup></b> |
| <b>Z = 54</b> | <b>Xenón</b>     | <b>Xe:</b> | <b>[Kr]4d<sup>10</sup>5s<sup>2</sup>5p<sup>6</sup></b> |
| <b>Z = 55</b> | <b>Cesio</b>     | <b>Cs:</b> | <b>[Xe]6s<sup>1</sup></b>                              |
| <b>Z = 56</b> | <b>Bario</b>     | <b>Ba:</b> | <b>[Xe]6s<sup>2</sup></b>                              |