# Configurações eletrônicas completas

As 118 configurações completas, com a notação abreviada de gás nobre ao lado

## Elementos 1–40

| | | |
|---|---|---|
| 1 | **H Hidrogênio** | 1s1 |
| | $1s^1$ | |
| 2 | **He Hélio** | 1s2 |
| | $1s^2$ | |
| 3 | **Li Lítio** | [He]2s1 |
| | $1s^2\ 2s^1$ | |
| 4 | **Be Berílio** | [He]2s2 |
| | $1s^2\ 2s^2$ | |
| 5 | **B Boro** | [He]2s2 2p1 |
| | $1s^2\ 2s^2\ 2p^1$ | |
| 6 | **C Carbono** | [He]2s2 2p2 |
| | $1s^2\ 2s^2\ 2p^2$ | |
| 7 | **N Nitrogênio** | [He]2s2 2p3 |
| | $1s^2\ 2s^2\ 2p^3$ | |
| 8 | **O Oxigênio** | [He]2s2 2p4 |
| | $1s^2\ 2s^2\ 2p^4$ | |
| 9 | **F Flúor** | [He]2s2 2p5 |
| | $1s^2\ 2s^2\ 2p^5$ | |
| 10 | **Ne Neônio** | [He]2s2 2p6 |
| | $1s^2\ 2s^2\ 2p^6$ | |
| 11 | **Na Sódio** | [Ne]3s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^1$ | |
| 12 | **Mg Magnésio** | [Ne]3s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2$ | |
| 13 | **Al Alumínio** | [Ne]3s2 3p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^1$ | |
| 14 | **Si Silício** | [Ne]3s2 3p2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^2$ | |
| 15 | **P Fósforo** | [Ne]3s2 3p3 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^3$ | |
| 16 | **S Enxofre** | [Ne]3s2 3p4 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^4$ | |
| 17 | **Cl Cloro** | [Ne]3s2 3p5 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^5$ | |
| 18 | **Ar Argônio** | [Ne]3s2 3p6 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^4$ | |
| 19 | **K Potássio** | [Ar]4s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^1$ | |
| 20 | **Ca Cálcio** | [Ar]4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2$ | |
| 21 | **Sc Escândio** | [Ar]3d1 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^1$ | |
| 22 | **Ti Titânio** | [Ar]3d2 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^2$ | |
| 23 | **V Vanádio** | [Ar]3d3 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^3$ | |
| 24 | **Cr Cromo** | [Ar]3d5 4s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^1\ 3d^5$ | |
| 25 | **Mn Manganês** | [Ar]3d5 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^5$ | |
| 26 | **Fe Ferro** | [Ar]3d6 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^6$ | |
| 27 | **Co Cobalto** | [Ar]3d7 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^7$ | |
| 28 | **Ni Níquel** | [Ar]3d8 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^8$ | |
| 29 | **Cu Cobre** | [Ar]3d10 4s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^1\ 3d^{10}$ | |
| 30 | **Zn Zinco** | [Ar]3d10 4s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}$ | |
| 31 | **Ga Gálio** | [Ar]3d10 4s2 4p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^1$ | |
| 32 | **Ge Germânio** | [Ar]3d10 4s2 4p2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^2$ | |
| 33 | **As Arsênio** | [Ar]3d10 4s2 4p3 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^3$ | |
| 34 | **Se Selênio** | [Ar]3d10 4s2 4p4 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^4$ | |
| 35 | **Br Bromo** | [Ar]3d10 4s2 4p5 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^5$ | |
| 36 | **Kr Criptônio** | [Ar]3d10 4s2 4p6 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6$ | |
| 37 | **Rb Rubídio** | [Kr]5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1$ | |
| 38 | **Sr Estrôncio** | [Kr]5s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2$ | |
| 39 | **Y Ítrio** | [Kr]4d1 5s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^1$ | |
| 40 | **Zr Zircônio** | [Kr]4d2 5s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^2$ | |

## Elementos 41–80

| | | |
|---|---|---|
| 41 | **Nb Nióbio** | [Kr]4d4 5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1\ 4d^4$ | |
| 42 | **Mo Molibdênio** | [Kr]4d5 5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1\ 4d^5$ | |
| 43 | **Tc Tecnécio** | [Kr]4d5 5s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^5$ | |
| 44 | **Ru Rutênio** | [Kr]4d7 5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1\ 4d^7$ | |
| 45 | **Rh Ródio** | [Kr]4d8 5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1\ 4d^8$ | |
| 46 | **Pd Paládio** | [Kr]4d10 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 4d^{10}$ | |
| 47 | **Ag Prata** | [Kr]4d10 5s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^1\ 4d^{10}$ | |
| 48 | **Cd Cádmio** | [Kr]4d10 5s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}$ | |
| 49 | **In Índio** | [Kr]4d10 5s2 5p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^1$ | |
| 50 | **Sn Estanho** | [Kr]4d10 5s2 5p2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^2$ | |
| 51 | **Sb Antimônio** | [Kr]4d10 5s2 5p3 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^3$ | |
| 52 | **Te Telúrio** | [Kr]4d10 5s2 5p4 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^4$ | |
| 53 | **I Iodo** | [Kr]4d10 5s2 5p5 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^5$ | |
| 54 | **Xe Xenônio** | [Kr]4d10 5s2 5p6 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6$ | |
| 55 | **Cs Césio** | [Xe]6s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^1$ | |
| 56 | **Ba Bário** | [Xe]6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2$ | |
| 57 | **La Lantânio** | [Xe]5d1 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 5d^1$ | |
| 58 | **Ce Cério** | [Xe]4f1 5d1 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^1\ 5d^1$ | |
| 59 | **Pr Praseodímio** | [Xe]4f3 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^3$ | |
| 60 | **Nd Neodímio** | [Xe]4f4 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^4$ | |
| 61 | **Pm Promécio** | [Xe]4f5 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^5$ | |
| 62 | **Sm Samário** | [Xe]4f6 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^6$ | |
| 63 | **Eu Európio** | [Xe]4f7 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^7$ | |
| 64 | **Gd Gadolínio** | [Xe]4f7 5d1 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^7\ 5d^1$ | |
| 65 | **Tb Térbio** | [Xe]4f9 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^9$ | |
| 66 | **Dy Disprósio** | [Xe]4f10 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{10}$ | |
| 67 | **Ho Hólmio** | [Xe]4f11 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{11}$ | |
| 68 | **Er Érbio** | [Xe]4f12 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{12}$ | |
| 69 | **Tm Túlio** | [Xe]4f13 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{13}$ | |
| 70 | **Yb Itérbio** | [Xe]4f14 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}$ | |
| 71 | **Lu Lutécio** | [Xe]4f14 5d1 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^1$ | |
| 72 | **Hf Háfnio** | [Xe]4f14 5d2 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^2$ | |
| 73 | **Ta Tântalo** | [Xe]4f14 5d3 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^3$ | |
| 74 | **W Tungstênio** | [Xe]4f14 5d4 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^4$ | |
| 75 | **Re Rênio** | [Xe]4f14 5d5 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^5$ | |
| 76 | **Os Ósmio** | [Xe]4f14 5d6 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^6$ | |
| 77 | **Ir Irídio** | [Xe]4f14 5d7 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^7$ | |
| 78 | **Pt Platina** | [Xe]4f14 5d9 6s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^1\ 4f^{14}\ 5d^9$ | |
| 79 | **Au Ouro** | [Xe]4f14 5d10 6s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^1\ 4f^{14}\ 5d^{10}$ | |
| 80 | **Hg Mercúrio** | [Xe]4f14 5d10 6s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}$ | |

## Elementos 81–118

| | | |
|---|---|---|
| 81 | **Tl Tálio** | [Xe]4f14 5d10 6s2 6p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^1$ | |
| 82 | **Pb Chumbo** | [Xe]4f14 5d10 6s2 6p2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^2$ | |
| 83 | **Bi Bismuto** | [Xe]4f14 5d10 6s2 6p3 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^3$ | |
| 84 | **Po Polônio** | [Xe]4f14 5d10 6s2 6p4 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^4$ | |
| 85 | **At Astato** | [Xe]4f14 5d10 6s2 6p5 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^5$ | |
| 86 | **Rn Radônio** | [Xe]4f14 5d10 6s2 6p6 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6$ | |
| 87 | **Fr Frâncio** | [Rn]7s1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^1$ | |
| 88 | **Ra Rádio** | [Rn]7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2$ | |
| 89 | **Ac Actínio** | [Rn]6d1 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 6d^1$ | |
| 90 | **Th Tório** | [Rn]6d2 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 6d^2$ | |
| 91 | **Pa Protactínio** | [Rn]5f2 6d1 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^2\ 6d^1$ | |
| 92 | **U Urânio** | [Rn]5f3 6d1 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^3\ 6d^1$ | |
| 93 | **Np Netúnio** | [Rn]5f4 6d1 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^4\ 6d^1$ | |
| 94 | **Pu Plutônio** | [Rn]5f6 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^6$ | |
| 95 | **Am Amerício** | [Rn]5f7 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^7$ | |
| 96 | **Cm Cúrio** | [Rn]5f7 6d1 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^7\ 6d^1$ | |
| 97 | **Bk Berquélio** | [Rn]5f9 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^9$ | |
| 98 | **Cf Califórnio** | [Rn]5f10 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{10}$ | |
| 99 | **Es Einstênio** | [Rn]5f11 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{11}$ | |
| 100 | **Fm Férmio** | [Rn]5f12 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{12}$ | |
| 101 | **Md Mendelévio** | [Rn]5f13 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{13}$ | |
| 102 | **No Nobélio** | [Rn]5f14 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}$ | |
| 103 | **Lr Laurêncio** | [Rn]5f14 7s2 7p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 7p^1$ | |
| 104 | **Rf Rutherfórdio** | [Rn]5f14 6d2 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^2$ | |
| 105 | **Db Dúbnio** | [Rn]5f14 6d3 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^3$ | |
| 106 | **Sg Seabórgio** | [Rn]5f14 6d4 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^4$ | |
| 107 | **Bh Bóhrio** | [Rn]5f14 6d5 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^5$ | |
| 108 | **Hs Hássio** | [Rn]5f14 6d6 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^6$ | |
| 109 | **Mt Meitnério** | [Rn]5f14 6d7 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^7$ | |
| 110 | **Ds Darmstádtio** | [Rn]5f14 6d8 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^8$ | |
| 111 | **Rg Roentgênio** | [Rn]5f14 6d9 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^9$ | |
| 112 | **Cn Copernício** | [Rn]5f14 6d10 7s2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}$ | |
| 113 | **Nh Nihônio** | [Rn]5f14 6d10 7s2 7p1 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^1$ | |
| 114 | **Fl Fleróvio** | [Rn]5f14 6d10 7s2 7p2 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^2$ | |
| 115 | **Mc Moscóvio** | [Rn]5f14 6d10 7s2 7p3 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^3$ | |
| 116 | **Lv Livermório** | [Rn]5f14 6d10 7s2 7p4 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^4$ | |
| 117 | **Ts Tenesso** | [Rn]5f14 6d10 7s2 7p5 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^5$ | |
| 118 | **Og Oganessônio** | [Rn]5f14 6d10 7s2 7p6 |
| | $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 4s^2\ 3d^{10}\ 4p^6\ 5s^2\ 4d^{10}\ 5p^6\ 6s^2\ 4f^{14}\ 5d^{10}\ 6p^6\ 7s^2\ 5f^{14}\ 6d^{10}\ 7p^6$ | |

Linha de cima: elemento e notação abreviada de gás nobre · Linha de baixo: configuração completa na ordem de preenchimento (Aufbau)