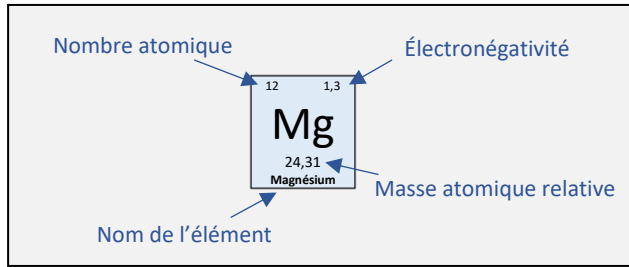


TABLEAU PÉRIODIQUE DES ÉLÉMENTS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------------------------|--------------------------|----------------------------|-------------------------------|-------------------------|----------------------------|--------------------------|---------------------------|----------------------------|------------------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|--------------------------|-----------------------|-----------------------|----------------------|--|--|--|--|
| 1 | la X | 1 1,01 Hydrogène | 2 2,2 | Ila X | 2 4,00 Hélium | VIIIa X | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 3 6,94 Lithium | 4 9,01 Béryllium | | | | | | | | | | | | | | | | | 5 10,81 Bore | 6 12,01 Carbone | 7 14,01 Azote | 8 16,00 Oxygène | 9 19,00 Fluor | 10 20,18 Néon | | | | |
| 3 | | 11 22,99 Sodium | 12 24,31 Magnésium | | | | | | | | | | | | | | | | | 13 26,98 Aluminium | 14 28,09 Silicium | 15 30,97 Phosphore | 16 32,07 Soufre | 17 35,45 Chlore | 18 39,95 Argon | | | | |
| | | | | | | | | | | | | | | | | | | ← Familles du groupe B → | | | | | | | | | | | |
| 4 | | 19 39,10 Potassium | 20 40,08 Calcium | 21 44,96 Scandium | 22 47,87 Titane | 23 50,94 Vanadium | 24 52,00 Chrome | 25 54,94 Manganèse | 26 55,85 Fer | 27 58,93 Cobalt | 28 58,69 Nickel | 29 63,55 Cuivre | 30 65,38 Zinc | 31 69,72 Gallium | 32 72,63 Germanium | 33 74,92 Arsenic | 34 78,97 Sélénium | 35 79,90 Brome | 36 83,80 Krypton | | | | | | | | | | |
| 5 | | 37 85,47 Rubidium | 38 87,62 Strontium | 39 88,91 Yttrium | 40 91,22 Zirconium | 41 92,91 Niobium | 42 95,95 Molybdène | (98) Technétium | 44 101,07 Ruthénium | 45 102,91 Rhodium | 46 106,42 Palladium | 47 107,87 Argent | 48 112,41 Cadmium | 49 114,82 Indium | 50 118,71 Étain | 51 121,76 Antimoine | 52 127,60 Tellure | 53 126,90 Iode | 54 131,29 Xénon | | | | | | | | | | |
| 6 | | 55 132,91 Césium | 56 137,33 Baryum | 71 174,97 Lutétium | 72 178,49 Hafnium | 73 180,95 Tantale | 74 183,84 Tungstène | 75 186,21 Rhénium | 76 190,23 Osmium | 77 192,22 Iridium | 78 195,08 Platine | 79 196,97 Or | 80 200,59 Mercure | 81 204,38 Thallium | 82 207,20 Plomb | 83 208,98 Bismuth | (209) Polonium | (210) Astate | (222) Radon | | | | | | | | | | |
| 7 | | 87 (223) Francium | 88 (226) Radium | 103 (262) Lawrencium | 104 (267) Rutherfordium | 105 (268) Dubnium | 106 (271) Seaborgium | 107 (272) Bohrium | 108 (270) Hassium | 109 (276) Meitnerium | 110 (281) Darmstadtium | 111 (280) Roentgenium | 112 (285) Copernicium | 113 (284) Nihonium | 114 (289) Flerovium | 115 (288) Moscovium | 116 (293) Livermorium | 117 (294) Tennessine | 118 (294) Oganesson | | | | | | | | | | |



- Métaux
- Non-métaux
- Métalloïdes
- Gaz Nobles



6

7

| | | | | | | | | | | | | | |
|--------------------------|-------------------------|------------------------------|-------------------------|---------------------|--------------------------|--------------------------|----------------------------|-------------------------|----------------------------|-------------------------|------------------------|-------------------------|---------------------------|
| ← Familles du groupe C → | | | | | | | | | | | | | |
| 57 138,91 Lanthane | 58 140,11 Cérium | 59 140,91 Praséodyme | 60 144,24 Néodyme | (145) Prométhium | 62 150,36 Samarium | 63 151,96 Europium | 64 157,25 Gadolinium | 65 158,93 Terbium | 66 162,50 Dysprosium | 67 164,93 Holmium | 68 167,26 Erbium | 69 168,93 Thulium | 70 173,05 Ytterbium |
| 89 (227) Actinium | 90 232,04 Thorium | 91 231,04 Protactinium | 92 238,03 Uranium | (237) Neptunium | (244) Plutonium | (243) Américium | (247) Curium | (247) Berkélium | (251) Californium | (252) Einsteinium | (257) Fermium | (258) Mendélévium | (259) Nobélium |



Ions mono-atomiques négatifs

| | |
|------------------|-----------|
| H ⁻ | Hydruure |
| F ⁻ | Fluorure |
| Cl ⁻ | Chlorure |
| Br ⁻ | Bromure |
| I ⁻ | Iodure |
| O ²⁻ | Oxyde |
| S ²⁻ | Sulfure |
| Se ²⁻ | Séléniure |

Ions poly-atomiques négatifs

| | |
|--|--------------|
| B ₄ O ₇ ²⁻ | Tétraborate |
| BO ₃ ³⁻ | Borate |
| BrO ⁻ | Hypobromite |
| BrO ₂ ⁻ | Bromite |
| BrO ₃ ⁻ | Bromate |
| BrO ₄ ⁻ | Perbromate |
| C ₂ O ₄ ²⁻ | Oxalate |
| CH ₃ COO ⁻ | Acétate |
| ClO ⁻ | Hypochlorite |
| ClO ₂ ⁻ | Chlorite |
| ClO ₃ ⁻ | Chlorate |
| ClO ₄ ⁻ | Perchlorate |
| CN ⁻ | Cyanure |
| CO ₃ ²⁻ | Carbonate |
| Cr ₂ O ₇ ²⁻ | Dichromate |
| CrO ₄ ²⁻ | Chromate |
| IO ⁻ | Hypoiodite |
| IO ₂ ⁻ | Iodite |
| IO ₃ ⁻ | Iodate |
| IO ₄ ⁻ | Periodate |
| MnO ₄ ⁻ | Permanganate |
| MoO ₄ ²⁻ | Molybdate |
| NO ₂ ⁻ | Nitrite |
| NO ₃ ⁻ | Nitrate |
| O ₂ ²⁻ | Peroxyde |
| OH ⁻ | Hydroxyde |
| PO ₃ ³⁻ | Phosphite |
| PO ₄ ³⁻ | Phosphate |
| S ₂ O ₃ ²⁻ | Thiosulfate |
| SCN ⁻ | Thiocyanate |
| SiO ₃ ²⁻ | Silicate |
| SO ₃ ²⁻ | Sulfite |
| SO ₄ ²⁻ | Sulfate |

Ions mono-atomiques positifs

| | |
|-------------------|---------------|
| Al ³⁺ | Aluminium |
| Sb ³⁺ | Antimoine III |
| Sb ⁵⁺ | Antimoine V |
| Ag ⁺ | Argent |
| As ³⁺ | Arsenic III |
| As ⁵⁺ | Arsenic V |
| Ba ²⁺ | Baryum |
| Be ²⁺ | Béryllium |
| Bi ³⁺ | Bismuth III |
| Bi ⁵⁺ | Bismuth V |
| Cd ²⁺ | Cadmium |
| Ca ²⁺ | Calcium |
| Cr ²⁺ | Chrome II |
| Cr ³⁺ | Chrome III |
| Co ²⁺ | Cobalt II |
| Co ³⁺ | Cobalt III |
| Cu ⁺ | Cuivre I |
| Cu ²⁺ | Cuivre II |
| Sn ²⁺ | Étain II |
| Sn ⁴⁺ | Étain IV |
| Fe ²⁺ | Fer II |
| Fe ³⁺ | Fer III |
| (H ⁺) | (Hydrogène) |
| Li ⁺ | Lithium |
| Mg ²⁺ | Magnésium |
| Mn ²⁺ | Manganèse II |
| Mn ⁴⁺ | Manganèse IV |
| Hg ²⁺ | Mercure II |
| Ni ²⁺ | Nickel |
| Pb ²⁺ | Plomb II |
| Pb ⁴⁺ | Plomb IV |
| K ⁺ | Potassium |
| Sc ²⁺ | Scandium |
| Na ⁺ | Sodium |
| Sr ²⁺ | Strontium |
| Zn ²⁺ | Zinc |

Ions poly-atomiques positifs

| | |
|-------------------------------|-----------|
| NH ₄ ⁺ | Ammonium |
| H ₃ O ⁺ | Hydronium |
| Hg ₂ ²⁺ | Mercure I |

| | NH ₄ ⁺ | Li ⁺ | Na ⁺ | K ⁺ | Mg ²⁺ | Ca ²⁺ | Ba ²⁺ | Al ³⁺ | Cu ²⁺ | Fe ²⁺ | Fe ³⁺ | Ni ²⁺ | Zn ²⁺ | Ag ⁺ | Sn ²⁺ | Pb ²⁺ |
|----------------------------------|------------------------------|-----------------|-----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|
| CH ₃ COO ⁻ | | | | | | | | | | | | | | | | |
| NO ₃ ⁻ | | | | | | | | | | | | | | | | |
| Cl ⁻ | | | | | | | | | | | | | | | | |
| Br ⁻ | | | | | | | | | | | | | | | | |
| I ⁻ | | | | | | | | | | | | | | | | |
| SO ₄ ²⁻ | | | | | | | | | | | | | | | | |
| SO ₃ ²⁻ | | | | | | | | | | | | | | | | |
| S ²⁻ | | | | | | | | | | | | | | | | |
| CO ₃ ²⁻ | | | | | | | | | | | | | | | | |
| OH ⁻ | | | | | | | | | | | | | | | | |
| PO ₄ ³⁻ | | | | | | | | | | | | | | | | |
| CrO ₄ ²⁻ | | | | | | | | | | | | | | | | |

SOLUBLE

PEU SOLUBLE

N'existe pas ou se décompose au contact de l'eau