

Tableau périodique des éléments



1																	18
1 H Hydrogène 1,008 1s ¹ -1 +1																	2 He Hélium 4,003 1s ² 0
2 Li Lithium 6,94 1s ² 2s ¹ +1	3 Be Béryllium 9,012 1s ² 2s ² +2																
3 Na Sodium 22,99 [Ne] 3s ¹ +1	4 Mg Magnésium 24,31 [Ne] 3s ² +2																
4 K Potassium 39,10 [Ar] 4s ¹ +1	5 Ca Calcium 40,08 [Ar] 4s ² +2	6 Sc Scandium 44,96 [Ar] 4s ² 3d ¹ +3	7 Ti Titane 47,87 [Ar] 4s ² 3d ² +2 +3 +4	8 V Vanadium 50,94 [Ar] 4s ² 3d ³ +2 +3 +4 +5	9 Cr Chrome 52,00 [Ar] 4s ¹ 3d ⁵ +2 +3 +6	10 Mn Manganèse 54,94 [Ar] 4s ² 3d ⁵ +2 +3 +4 +6 +7	11 Fe Fer 55,85 [Ar] 4s ² 3d ⁶ +2 +3	12 Co Cobalt 58,93 [Ar] 4s ² 3d ⁷ +2 +3	13 Ni Nickel 58,69 [Ar] 4s ² 3d ⁸ +2 +3	14 Cu Cuivre 63,55 [Ar] 4s ¹ 3d ¹⁰ +1 +2	15 Zn Zinc 65,38 [Ar] 4s ² 3d ¹⁰ +2	16 Ga Gallium 69,72 [Ar] 4s ² 3d ¹⁰ 4p ¹ +1 +2 +3	17 Ge Germanium 72,63 [Ar] 4s ² 3d ¹⁰ 4p ² +2 +4	18 As Arsenic 74,92 [Ar] 4s ² 3d ¹⁰ 4p ³ -3 +3 +5	19 Se Sélénium 78,96 [Ar] 4s ² 3d ¹⁰ 4p ⁴ -2 +2 +4 +6	20 Br Brome 79,90 [Ar] 4s ² 3d ¹⁰ 4p ⁵ -1 +1 +3 +5 +7	21 Kr Krypton 83,80 [Ar] 4s ² 3d ¹⁰ 4p ⁶ 0
5 Rb Rubidium 85,47 [Kr] 5s ¹ +1	6 Sr Strontium 87,62 [Kr] 5s ² +2	7 Y Yttrium 88,91 [Kr] 5s ² 4d ¹ +2 +3	8 Zr Zirconium 91,22 [Kr] 5s ² 4d ² +4	9 Nb Niobium 92,91 [Kr] 5s ¹ 4d ⁴ +3 +5	10 Mo Molybdène 95,96 [Kr] 5s ¹ 4d ⁵ +2 +3 +4 +5 +6	11 Tc Technétium [98] [Kr] 5s ² 4d ⁵ +7	12 Ru Ruthénium 101,07 [Kr] 5s ¹ 4d ⁷ +2 +3 +4 +6 +8	13 Rh Rhodium 102,91 [Kr] 5s ¹ 4d ⁸ +2 +3 +4	14 Pd Palladium 106,42 [Kr] 5s ⁰ 4d ¹⁰ +2 +4	15 Ag Argent 107,87 [Kr] 5s ¹ 4d ¹⁰ +1	16 Cd Cadmium 112,41 [Kr] 5s ² 4d ¹⁰ +2	17 In Indium 114,82 [Kr] 5s ² 4d ¹⁰ 5p ¹ +1 +2 +3	18 Sn Etain 118,71 [Kr] 5s ² 4d ¹⁰ 5p ² +2 +4	19 Sb Antimoine 121,76 [Kr] 5s ² 4d ¹⁰ 5p ³ -3 +3 +5	20 Te Tellure 127,60 [Kr] 5s ² 4d ¹⁰ 5p ⁴ -2 +2 +4 +6	21 I Iode 126,90 [Kr] 5s ² 4d ¹⁰ 5p ⁵ -1 +1 +3 +5 +7	22 Xe Xénon 131,29 [Kr] 5s ² 4d ¹⁰ 5p ⁶ 0
6 Cs Césium 132,91 [Xe] 6s ¹ +1	7 Ba Baryum 137,33 [Xe] 6s ² +2	8 Hf Hafnium 178,49 [Xe] 6s ² 4f ¹⁴ 5d ² +4	9 Ta Tantale 180,95 [Xe] 6s ² 4f ¹⁴ 5d ³ +5	10 W Tungstène 183,84 [Xe] 6s ² 4f ¹⁴ 5d ⁴ +2 +3 +4 +5 +6	11 Re Rhénium 186,21 [Xe] 6s ² 4f ¹⁴ 5d ⁵ +2 +3 +4 +6 +7	12 Os Osmium 190,23 [Xe] 6s ² 4f ¹⁴ 5d ⁶ +2 +3 +4 +6 +8	13 Ir Iridium 192,22 [Xe] 6s ² 4f ¹⁴ 5d ⁷ +2 +3 +4 +6	14 Pt Platine 195,08 [Xe] 6s ¹ 4f ¹⁴ 5d ⁹ +2 +4	15 Au Or 196,97 [Xe] 6s ¹ 4f ¹⁴ 5d ¹⁰ +1 +3	16 Hg Mercure 200,59 [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ +1 +2	17 Tl Thallium 204,38 [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ¹ +1 +3	18 Pb Plomb 207,2 [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ² +2 +5	19 Bi Bismuth 208,98 [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ³ +3 +5	20 Po Polonium [209] [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁴ +2 +4	21 At Astate [210] [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁵ -1 +1 +3 +5 +7	22 Rn Radon [222] [Xe] 6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁶ 0	
7 Fr Francium [223] [Rn] 7s ¹ +1	8 Ra Radium [226] [Rn] 7s ² +2	9 Rf Rutherfordium [267] [Rn] 7s ² 5f ¹⁴ 6d ² +4	10 Db Dubnium [268] [Rn] 7s ² 5f ¹⁴ 6d ³ +5	11 Sg Seaborgium [271] [Rn] 7s ² 5f ¹⁴ 6d ⁴ +6	12 Bh Bohrium [272] [Rn] 7s ² 5f ¹⁴ 6d ⁵ +7	13 Hs Hassium [277] [Rn] 7s ² 5f ¹⁴ 6d ⁶ +8	14 Mt Meitnerium [276] [Rn] 7s ² 5f ¹⁴ 6d ⁷ +9	15 Ds Darmstadtium [281] [Rn] 7s ² 5f ¹⁴ 6d ⁸ +10	16 Rg Roentgenium [280] [Rn] 7s ² 5f ¹⁴ 6d ⁹ +11	17 Cn Copernicium [285] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ +12	18 Nh Nihonium [286] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ¹ +1 +3	19 Fl Flérovium [289] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ² +2 +4	20 Mc Moscovium [288] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ³ +3 +5	21 Lv Livermorium [293] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁴ +2 +4	22 Ts Tennessee [294] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁵ -1 +1 +3 +5 +7	23 Og Oganesson [294] [Rn] 7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁶ 0	

Numéro atomique — 80

Nom de l'élément — **Hg** — Mercure

Masse atomique, basée sur ¹²C — 200,59

[] : nombre de masse de l'isotope le plus stable * — 201,043

Energie de première ionisation (eV) — 10,43

Configuration électronique (en rouge : exception à la règle de Klechkowski) — [Xe] 6s² 4f¹⁴ 5d¹⁰ 6s¹

Principaux nombres d'oxydation (le plus fréquent en gras) — +1 +2

Symbole de l'élément (en gris : aucun isotope stable) — Hg

Électronégativité (échelle de Pauling) — 1,9

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6 La Lanthane 138,91 [Xe] 6s ² 5d ¹ +3	7 Ce Cérium 140,12 [Xe] 6s ² 4f ¹ 5d ¹ +3 +4	8 Pr Praséodyme 140,91 [Xe] 6s ² 4f ³ +3 +4	9 Nd Néodyme 144,24 [Xe] 6s ² 4f ⁴ +3	10 Pm Prométhium [145] [Xe] 6s ² 4f ⁵ +3	11 Sm Samarium 150,36 [Xe] 6s ² 4f ⁶ +2 +3	12 Eu Europium 151,96 [Xe] 6s ² 4f ⁷ +2 +3	13 Gd Gadolinium 157,25 [Xe] 6s ² 4f ⁷ 5d ¹ +3	14 Tb Terbium 158,93 [Xe] 6s ² 4f ⁹ +3 +4	15 Dy Dysprosium 162,50 [Xe] 6s ² 4f ¹⁰ +3	16 Ho Holmium 164,93 [Xe] 6s ² 4f ¹¹ +3	17 Er Erbium 167,26 [Xe] 6s ² 4f ¹² +3	18 Tm Thulium 168,93 [Xe] 6s ² 4f ¹³ +2 +3	19 Yb Ytterbium 173,05 [Xe] 6s ² 4f ¹⁴ +2 +3	20 Lu Lutétiun 174,97 [Xe] 6s ² 4f ¹⁴ 5d ¹ +3
7 Ac Actinium [227] [Rn] 7s ² 6d ¹ +3	8 Th Thorium 232,04 [Rn] 7s ² 6d ² +4	9 Pa Protactinium 231,04 [Rn] 7s ² 5f ² 6d ¹ +4 +5	10 U Uranium 238,03 [Rn] 7s ² 5f ³ 6d ¹ +3 +4 +5 +6	11 Np Neptunium [237] [Rn] 7s ² 5f ⁴ 6d ¹ +3 +4 +5 +6	12 Pu Plutonium [244] [Rn] 7s ² 5f ⁶ +3 +4 +5 +6	13 Am Américium [243] [Rn] 7s ² 5f ⁷ +3 +4 +5 +6	14 Cm Curium [247] [Rn] 7s ² 5f ⁸ 6d ¹ +3	15 Bk Berkélium [247] [Rn] 7s ² 5f ⁹ +3 +4	16 Cf Californium [251] [Rn] 7s ² 5f ¹⁰ +3	17 Es Einsteinium [252] [Rn] 7s ² 5f ¹¹ +3	18 Fm Fermium [257] [Rn] 7s ² 5f ¹² +3	19 Md Mendélévium [258] [Rn] 7s ² 5f ¹³ +3	20 No Nobélium [259] [Rn] 7s ² 5f ¹⁴ +3	21 Lr Lawrencium [262] [Rn] 7s ² 5f ¹⁴ 6d ¹ +3