

Tableau périodique des éléments

COLONNE → 1 2 3 4 5 6 7 8 9 10
 GROUPE → IA IIA IIIB IVB VB VIB VIIB VIIIB VIIIIB VIIIB

1 1.008 2.10 H 1s ¹ Hydrogène	3 6.941 0.98 1 Li 1s ² 2s ¹ Lithium	4 9.012 1.57 2 Be 1s ² 2s ² Béryllium	11 22.990 0.93 1 Na [Ne]3s ¹ Sodium	12 24.305 1.31 2 Mg [Ne]3s ² Magnésium	19 39.098 0.82 1 K [Ar]4s ¹ Potassium	20 40.078 1.00 2 Ca [Ar]4s ² Calcium	21 44.956 1.36 3 Sc [Ar]3d ¹ 4s ² Scandium	22 47.880 1.54 4; 3 Ti [Ar]3d ² 4s ² Titane	23 50.942 1.63 5; 4; 3; 2 V [Ar]3d ³ 4s ² Vanadium	24 51.996 1.66 6; 3; 2 Cr [Ar]3d ⁵ 4s ¹ Chrome	25 54.938 1.55 7; 6; 4; 2; 3 Mn [Ar]3d ⁵ 4s ² Manganèse	26 55.847 1.83 2; 3 Fe [Ar]3d ⁶ 4s ² Fer	27 58.933 1.88 2; 3 Co [Ar]3d ⁷ 4s ² Cobalt	28 58.933 1.88 2; 3 Ni [Ar]3d ⁸ 4s ² Nickel
37 85.468 0.82 1 Rb [Kr]5s ¹ Rubidium	38 87.62 0.95 2 Sr [Kr]5s ² Strontium	39 88.906 1.22 3 Y [Kr]4d ¹ 5s ² Yttrium	40 91.224 1.33 4 Zr [Kr]4d ² 5s ² Zirconium	41 92.906 1.6 5; 3 Nb [Kr]4d ⁴ 5s ¹ Niobium	42 95.94 2.16 6; 5; 4; 3; 2 Mo [Kr]4d ⁵ 5s ¹ Molybdène	43 (98) 1.9 7 Tc [Kr]4d ⁵ 5s ² Technétium	44 101.07 2.2 2; 3; 4; 6; 8 Ru [Kr]4d ⁷ 5s ¹ Ruthénium	45 102.906 2.28 2; 3; 4 Rh [Kr]4d ⁸ 5s ¹ Rhodium	46 102.906 2.28 2; 4 Pd [Kr]4d ¹⁰ 5s ⁰ Palladium					
55 132.905 0.79 1 Cs [Xe]6s ¹ Césium	56 137.33 0.89 2 Ba [Xe]6s ² Baryum	57 138.906 1.10 3 * La [Xe]5d ¹ 6s ² Lanthane	72 178.49 1.3 4 Hf [Xe]4f ¹⁴ 5d ² 6s ² Hafnium	73 180.948 1.5 5 Ta [Xe]4f ¹⁴ 5d ³ 6s ² Tantale	74 183.85 2.36 6; 5; 4; 3; 2 W [Xe]4f ¹⁴ 5d ⁴ 6s ² Tungstène	75 186.207 1.9 7; 6; 4; 2 Re [Xe]4f ¹⁴ 5d ⁵ 6s ² Rhénium	76 190.2 2.2 2; 3; 4; 6; 8 Os [Xe]4f ¹⁴ 5d ⁶ 6s ² Osmium	77 192.22 2.2 2; 3; 4; 6 Ir [Xe]4f ¹⁴ 5d ⁷ 6s ² Iridium	78 192.22 2.2 2; 4 Pt [Xe]4f ¹⁴ 5d ⁹ 6s ¹ Platine					
87 (223) 0.7 1 Fr [Rn]7s ¹ Francium	88 (226.025) 0.89 2 Ra [Rn]7s ² Radium	89 (227) 1.1 3 ** Ac [Rn]6d ¹ 7s ² Actinium	104 (261) 4 Rf [Rn]5f ¹⁴ 6d ² 7s ² Rutherfordium	105 (262) 5 Db [Rn]5f ¹⁴ 6d ³ 7s ² Dubnium	106 (263) 6 Sg [Rn]5f ¹⁴ 6d ⁴ 7s ² Seaborgium	107 (262) 7 Bh [Rn]5f ¹⁴ 6d ⁵ 7s ² Bohrium	108 (265) 8 Hs [Rn]5f ¹⁴ 6d ⁶ 7s ² Hassium	109 (266) 9 Mt [Rn]5f ¹⁴ 6d ⁷ 7s ² Meitnerium	110 (266) 10 Ds [Rn]5f ¹⁴ 6d ⁸ 7s ² Darmstadtium					

Numéro atomique → 20
 Masse atomique → 40.078
 Electronegativité → 1.00
 Nombre d'oxydation → 2
 Symbole → **Ca**
 Configuration électronique → [Ar]4s²
 Nom français → Calcium

La couleur de la case indique l'état d'agrégation à 30°C et 1 atm
 Blanc: (s); bleu: (l); rouge: (g)

Lanthanides *
 Actinides **

58 140.12 1.12 3; 4 Ce [Xe]4f ¹ 5d ¹ 6s ² Cérium	59 140.908 1.13 3; 4 Pr [Xe]4f ³ 6s ² Praséodyme	60 144.24 1.14 3 Nd [Xe]4f ⁴ 6s ² Néodyme	61 (145) 1.13 3 Pm [Xe]4f ⁶ 6s ² Prométhium	62 150.36 1.17 3; 2 Sm [Xe]4f ⁶ 6s ² Samarium	63 151.965 1.2 3; 2 Eu [Xe]4f ⁷ 6s ² Europium	64 151.965 1.2 3 Gd [Xe]4f ⁷ 5d ¹ 6s ² Gadolinium
90 232.038 1.3 4 Th [Rn]6d ² 7s ² Thorium	91 231.036 1.5 5; 4 Pa [Rn]5f ² 6d ¹ 7s ² Protactinium	92 238.029 1.38 6; 5; 4; 3 U [Rn]5f ³ 6d ¹ 7s ² Uranium	93 (237.05) 1.36 6; 5; 4; 3 Np [Rn]5f ⁴ 6d ¹ 7s ² Neptunium	94 (244) 1.28 6; 5; 4; 3 Pu [Rn]5f ⁶ 7s ² Plutonium	95 (243) 1.3 6; 5; 4; 3 Am [Rn]5f ⁷ 7s ² Américium	96 (243) 1.3 3 Cm [Rn]5f ⁷ 6d ¹ 7s ² Curium

	9	10	11	12	13	14	15	16	17	18
	VIIIB	VIIIB	IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA
										2 4.003 He 1s ² Hélium
Masse atomique Electronégativité Nombre d'oxydation Symbole										
					5 10.811 2.04 3 B 1s ² 2s ² p ¹ Bore	6 12.011 2.55 -4; 2; 4 C 1s ² 2s ² p ² Carbone	7 14.007 3.04 -3; 1; 2; 3; 4; 5 N 1s ² 2s ² p ³ Azote	8 15.999 3.44 -2; -1; 2 O 1s ² 2s ² p ⁴ Oxygène	9 18.998 3.98 -1 F 1s ² 2s ² p ⁵ Fluor	10 20.180 Ne 1s ² 2s ² p ⁶ Néon
					13 26.982 1.61 3 Al [Ne]3s ² p ¹ Aluminium	14 28.086 1.90 2; 4 Si [Ne]3s ² p ² Silicium	15 30.974 2.19 -3; 3; 4; 5 P [Ne]3s ² p ³ Phosphore	16 32.066 2.58 -2; 2; 4; 6 S [Ne]3s ² p ⁴ Soufre	17 35.453 3.16 -1; 1; 3; 5; 7 Cl [Ne]3s ² p ⁵ Chlore	18 39.948 Ar [Ne]3s ² p ⁶ Argon
	55.847 1.83 27 2; 3 Co [Ar]3d ⁷ 4s ² Cobalt	58.933 1.88 28 2; 3 Ni [Ar]3d ⁸ 4s ² Nickel	58.693 1.91 29 2; 1 Cu [Ar]3d ¹⁰ 4s ¹ Cuivre	63.546 1.90 30 2 Zn [Ar]3d ¹⁰ 4s ² Zinc	65.390 1.65 31 3 Ga [Ar]3d ¹⁰ 4s ² p ¹ Gallium	69.723 1.81 32 4 Ge [Ar]3d ¹⁰ 4s ² p ² Germanium	72.610 2.01 33 -3; 3; 5 As [Ar]3d ¹⁰ 4s ² p ³ Arsenic	74.922 2.18 34 -2; 2; 4; 6 Se [Ar]3d ¹⁰ 4s ² p ⁴ Sélénium	78.960 2.55 35 -1; 1; 5; 7 Br [Ar]3d ¹⁰ 4s ² p ⁵ Brome	79.904 2.96 36 Kr [Ar]3d ¹⁰ 4s ² p ⁶ Krypton
	101.07 2.2 45 2; 3; 4 Rh [Kr]4d ⁸ 5s ¹ Rhodium	102.906 2.28 46 2; 4 Pd [Kr]4d ¹⁰ Palladium	106.42 2.20 47 1 Ag [Kr]4d ¹⁰ 5s ¹ Argent	107.868 1.93 48 2 Cd [Kr]4d ¹⁰ 5s ² Cadmium	112.41 1.69 49 3 In [Kr]4d ¹⁰ 5s ² p ¹ Indium	114.82 1.78 50 4; 2 Sn [Kr]4d ¹⁰ 5s ² p ² Etain	118.71 1.96 51 -3; 3; 5 Sb [Kr]4d ¹⁰ 5s ² p ³ Antimoine	121.757 2.05 52 -2; 2; 4; 6 Te [Kr]4d ¹⁰ 5s ² p ⁴ Tellure	126.905 2.66 53 -1; 1; 3; 5; 7 I [Kr]4d ¹⁰ 5s ² p ⁵ Iode	131.29 2.6 54 Xe [Kr]4d ¹⁰ 5s ² p ⁶ Xénon
	190.2 2.2 77 2; 3; 4; 6 Ir [Xe]4f ¹⁴ 5d ⁷ 6s ² Iridium	192.22 2.2 78 2; 4 Pt [Xe]4f ¹⁴ 5d ⁹ 6s ¹ Platine	195.08 2.28 79 3; 1 Au [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹ Or	196.967 2.54 80 2; 1 Hg [Xe]4f ¹⁴ 5d ¹⁰ 6s ² Mercure	200.59 2.00 81 3; 1 Tl [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ¹ Thallium	204.383 2.04 82 4; 2 Pb [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ² Plomb	207.2 2.33 83 3; 5 Bi [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ³ Bismuth	208.98 2.02 84 4; 2; 6 Po [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁴ Polonium	(209) 2.0 85 -1; 1; 3; 5; 7 At [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁵ Astate	(210) 2.2 86 Rn [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁶ Radon
	(265) 109 Mt [Rn]5f ¹⁴ 6d ⁷ 7s ² Meitnerium	(266) 110 Ds [Rn]5f ¹⁴ 6d ¹⁰ 7s ¹ Darmstadtium	(269) 111 Rg [Rn]5f ¹⁴ 6d ¹⁰ 7s ¹ Roentgenium	(272) 112 Uub Ununbium	(277) 114 Uuq Ununquadium	(285) 116 Uuh Ununhexium				
	150.36 1.17 63 3; 2 Eu [Xe]4f ⁷ 6s ² Europium	151.965 1.2 64 3 Gd [Xe]4f ⁷ 5d ¹ 6s ² Gadolinium	157.25 1.20 65 3; 4 Tb [Xe]4f ⁹ 6s ² Terbium	158.925 1.1 66 3 Dy [Xe]4f ¹⁰ 6s ² Dysprosium	162.50 1.22 67 3 Ho [Xe]4f ¹¹ 6s ² Holmium	164.93 1.23 68 3 Er [Xe]4f ¹² 6s ² Erbium	167.26 1.24 69 3; 2 Tm [Xe]4f ¹³ 6s ² Thulium	168.93 1.25 70 3; 2 Yb [Xe]4f ¹⁴ 6s ² Ytterbium	173.04 1.1 71 3 Lu [Xe]4f ¹⁴ 5d ¹ 6s ² Lutétium	174.97 1.27
	(244) 1.28 95 6; 5; 4; 3 Am [Rn]5f ⁷ 7s ² Américium	(243) 1.3 96 3 Cm [Rn]5f ⁶ 6d ¹ 7s ² Curium	(247) 1.3 97 4; 3 Bk [Rn]5f ⁹ 7s ² Berkélium	(247) 1.3 98 3 Cf [Rn]5f ¹⁰ 7s ² Californium	(251) 1.3 99 3 Es [Rn]5f ¹¹ 7s ² Einsteinium	(252) 1.3 100 3 Fm [Rn]5f ¹² 7s ² Fermium	(257) 1.3 101 3 Md [Rn]5f ¹³ 7s ² Mendélévium	(258) 1.3 102 2; 3 No [Rn]5f ¹⁴ 7s ² Nobélium	(259) 1.36 103 3 Lr [Rn]5f ¹⁴ 6d ¹ 7s ² Lawrencium	(262) 1.3