

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1s	1H hydrogène 1,0079 1s¹																	2He hélium 4,00260 1s²			
2s	3Li lithium 6,941 2s¹	4Be béryllium 9,0118 2s²																			
3s	11Na sodium 22,9898 3s¹	12Mg magnésium 24,305 3s²																			
4s	19K potassium 39,0983 4s¹	20Ca calcium 40,08 4s²	3d	21Sc scandium 44,9559 4s²3d¹	22Ti titane 47,88 4s²3d²	23V vanadium 50,9415 4s²3d³	24Cr chrome 51,996 4s¹3d⁵	25Mn manganèse 54,9380 4s²3d⁵	26Fe fer 55,847 4s²3d⁶	27Co cobalt 58,9332 4s²3d⁷	28Ni nickel 58,69 4s²3d⁸	29Cu cuivre 63,546 4s¹3d¹⁰	30Zn zinc 65,39 4s²3d¹⁰	4p	31Ga gallium 69,72 4s²4p¹	32Ge germanium 72,59 4s²4p²	33As arsenic 74,9216 4s²4p³	34Se sélénium 78,96 4s²4p⁴	35Br brome 79,904 4s²4p⁵	36Kr krypton 83,80 4s²4p⁶	
5s	37Rb rubidium 85,4678 5s¹	38Sr strontium 87,62 5s²		4d	39Y yttrium 88,9059 5s²4d¹	40Zr zirconium 91,224 5s²4d²	41Nb niobium 92,9064 5s¹4d⁴	42Mo molybdène 95,94 5s¹4d⁵	43Tc technétium 97,91 * 5s²4d⁵	44Ru ruthénium 101,07 5s¹4d⁷	45Rh rhodium 102,906 5s¹4d⁸	46Pd palladium 106,42 4d¹⁰	47Ag argent 107,868 5s¹4d¹⁰		48Cd cadmium 112,41 5s²4d¹⁰	5p	49In indium 114,82 5s²5p¹	50Sn étain 118,71 5s²5p²	51Sb antimoine 121,75 5s²5p³	52Te tellure 127,60 5s²5p⁴	53I iode 126,9044 5s²5p⁵
6s	55Cs césium 132,905 6s¹	56Ba baryum 137,33 6s²	5d		57La lanthane 138,906 6s²5d¹	*	72Hf hafnium 178,49 6s²5d²	73Ta tantale 180,948 6s²5d³	74W tungstène 183,85 6s²5d⁴	75Re rhénium 186,207 6s²5d⁵	76Os osmium 190,2 6s²5d⁶	77Ir iridium 192,22 6s²5d⁷	78Pt platine 195,08 6s¹5d⁹	79Au or 196,967 6s¹5d¹⁰	80Hg mercure 200,59 6s²5d¹⁰		6p	81Tl thallium 204,383 6s²6p¹	82Pb plomb 207,19 6s²6p²	83Bi bismuth 208,980 6s²6p³	84Po polonium 208,98 * 6s²6p⁴
7s	87Fr francium 223,02 * 7s¹	88Ra radium 226,025 * 7s²		6d	89Ac actinium 227,028 * 7s²6d¹	#	104Rf rutherfordium 265,12 *	105Db dubnium 268,3 *	106Sg seaborgium 271,13 *	107Bh bohrium 270 *	108Hs hassium 277,15 *	109Mt metneterium 276,15 *	110Ds darmstadtium 281,16 *	111Rg roentgenium 280,16 *	112Cn copernicium 285,17 *	7p		113Nh nihonium 284 *	114Fl flerovium 289 *	115Mc moscovium 288 *	116Lv livermorium 293 *

numéro atomique

masse atomique

configuration de valence

symbole

nom

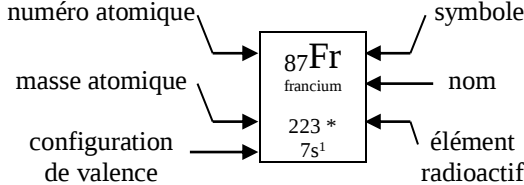
élément radioactif

87Fr

francium

223 *

7s¹



bloc s

bloc d (éléments de transition)

bloc p

4f	*	58Ce cérium 140,12 6s ² 4f ²	59Pr praseodyme 140,908 6s ² 4f ³	60Nd néodyme 144,24 6s ² 4f ⁴	61Pm prométhium 144,91 * 6s ² 4f ⁵	62Sm samarium 150,36 6s ² 4f ⁶	63Eu europium 151,96 6s ² 4f ⁷	64Gd gadolinium 157,25 6s ² 5d ¹ 4f ⁷	65Tb terbium 158,925 6s ² 4f ⁹	66Dy dysprosium 162,50 6s ² 4f ¹⁰	67Ho holmium 164,930 6s ² 4f ¹¹	68Er erbium 167,26 6s ² 4f ¹²	69Tm thulium 168,934 6s ² 4f ¹³	70Yb ytterbium 173,04 6s ² 4f ¹⁴	71Lu lutécium 174,967 6s ² 5d ¹	lanthanides
5f	#	90Th thorium 232,038 * 7s ² 6d ²	91Pa protoactinium 231,036 * 7s ² 6d ³	92U uranium 238,029 * 7s ² 6d ⁴	93Np neptunium 237,048 * 7s ² 5f ⁵	94Pu plutonium 244,06 * 7s ² 6d ¹ 5f ⁵	95Am américium 243,06 * 7s ² 5f ⁷	96Cm curium 247,07 * 7s ² 6d ¹ 5f ⁷	97Bk berkelium 247,07 * 7s ² 6d ¹ 5f ⁸	98Cf californium 251,08 * 7s ² 6d ¹ 5f ⁹	99Es einsteinium 252,08 * 7s ² 6d ¹ 5f ¹⁰	100Fm fermium 257,10 * 7s ² 6d ¹ 5f ¹¹	101Md mendelevium 258,10 * 7s ² 6d ¹ 5f ¹²	102No nobelium 259,10 * 7s ² 6d ¹ 5f ¹³	103Lr lawrencium 262,11 * 7s ² 6d ¹ 5f ¹⁴	actinides

bloc f