

Tableau périodique des éléments

Gymnase Auguste Piccard, 2016

<div style="display: flex; justify-content: space-between;"> I VIII </div>																							
1.01 H 1 1s ¹ Hydrogène																	4.00 He 2 1s ² Hélium						
6.94 Li 3 [He]2s ¹ Lithium	9.01 Be 4 [He]2s ² Béryllium																	10.81 B 5 [He]2s ² p ¹ Bore	12.011 C 6 [He]2s ² p ² Carbone	14.01 N 7 [He]2s ² p ³ Azote	16.00 O 8 [He]2s ² p ⁴ Oxygène	19.00 F 9 [He]2s ² p ⁵ Fluor	20.18 Ne 10 [He]2s ² p ⁶ Néon
22.99 Na 11 [Ne]3s ¹ Sodium	24.30 Mg 12 [Ne]3s ² Magnésium																	26.98 Al 13 [Ne]3s ² p ¹ Aluminium	28.09 Si 14 [Ne]3s ² p ² Silicium	30.97 P 15 [Ne]3s ² p ³ Phosphore	32.06 S 16 [Ne]3s ² p ⁴ Soufre	35.45 Cl 17 [Ne]3s ² p ⁵ Chlore	39.95 Ar 18 [Ne]3s ² p ⁶ Argon
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">Métaux</div> <div style="border: 1px solid black; padding: 2px;">Non-métaux</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px;">Métalloïdes</div> <div style="border: 1px solid black; padding: 2px;">Gaz rares</div> </div>																							
39.10 K 19 [Ar]4s ¹ Potassium	40.08 Ca 20 [Ar]4s ² Calcium	44.96 Sc 21 [Ar]3d ¹ 4s ² Scandium	47.87 Ti 22 [Ar]3d ² 4s ² Titane	50.94 V 23 [Ar]3d ³ 4s ² Vanadium	52.00 Cr 24 [Ar]3d ⁵ 4s ¹ Chrome	54.94 Mn 25 [Ar]3d ⁵ 4s ² Manganèse	55.85 Fe 26 [Ar]3d ⁶ 4s ² Fer	58.93 Co 27 [Ar]3d ⁷ 4s ² Cobalt	58.69 Ni 28 [Ar]3d ⁸ 4s ² Nickel	63.55 Cu 29 [Ar]3d ¹⁰ 4s ¹ Cuivre	65.38 Zn 30 [Ar]3d ¹⁰ 4s ² Zinc	69.72 Ga 31 [Ar]3d ¹⁰ 4s ² p ¹ Gallium	72.59 Ge 32 [Ar]3d ¹⁰ 4s ² p ² Germanium	74.92 As 33 [Ar]3d ¹⁰ 4s ² p ³ Arsenic	78.96 Se 34 [Ar]3d ¹⁰ 4s ² p ⁴ Sélénium	79.90 Br 35 [Ar]3d ¹⁰ 4s ² p ⁵ Brome	83.80 Kr 36 [Ar]3d ¹⁰ 4s ² p ⁶ Krypton						
85.47 Rb 37 [Kr]5s ¹ Rubidium	87.62 Sr 38 [Kr]5s ² Strontium	88.91 Y 39 [Kr]4d ¹ 5s ² Yttrium	91.22 Zr 40 [Kr]4d ² 5s ² Zirconium	92.91 Nb 41 [Kr]4d ⁴ 5s ¹ Niobium	95.94 Mo 42 [Kr]4d ⁵ 5s ¹ Molybdène	(97.91) Tc 43 [Kr]4d ⁵ 5s ² Technétium	101.07 Ru 44 [Kr]4d ⁷ 5s ¹ Ruthénium	102.91 Rh 45 [Kr]4d ⁸ 5s ¹ Rhodium	106.42 Pd 46 [Kr]4d ¹⁰ Palladium	107.87 Ag 47 [Kr]4d ¹⁰ 5s ¹ Argent	112.41 Cd 48 [Kr]4d ¹⁰ 5s ² Cadmium	114.82 In 49 [Kr]4d ¹⁰ 5s ² p ¹ Indium	118.69 Sn 50 [Kr]4d ¹⁰ 5s ² p ² Étain	121.75 Sb 51 [Kr]4d ¹⁰ 5s ² p ³ Antimoine	127.60 Te 52 [Kr]4d ¹⁰ 5s ² p ⁴ Tellure	126.90 I 53 [Kr]4d ¹⁰ 5s ² p ⁵ Iode	131.30 Xe 54 [Kr]4d ¹⁰ 5s ² p ⁶ Xénon						
132.91 Cs 55 [Xe]6s ¹ Césium	137.33 Ba 56 [Xe]6s ² Baryum	138.91 La 57 [Xe]5d ¹ 6s ² Lanthane	178.49 Hf 72 [Xe]4f ¹⁴ 5d ² 6s ² Hafnium	180.95 Ta 73 [Xe]4f ¹⁴ 5d ³ 6s ² Tantale	183.84 W 74 [Xe]4f ¹⁴ 5d ⁴ 6s ² Tungstène	186.21 Re 75 [Xe]4f ¹⁴ 5d ⁵ 6s ² Rhenium	190.23 Os 76 [Xe]4f ¹⁴ 5d ⁶ 6s ² Osmium	192.22 Ir 77 [Xe]4f ¹⁴ 5d ⁷ 6s ² Iridium	195.09 Pt 78 [Xe]4f ¹⁴ 5d ⁹ 6s ¹ Platine	196.97 Au 79 [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹ Or	200.59 Hg 80 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² Mercure	204.38 Tl 81 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ¹ Thallium	207.21 Pb 82 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ² Plomb	208.98 Bi 83 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ³ Bismuth	(208.98) Po 84 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁴ Polonium	(209.99) At 85 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁵ Astate	(222.02) Rn 86 [Xe]4f ¹⁴ 5d ¹⁰ 6s ² p ⁶ Radon						
(223.02) Fr 87 [Rn]7s ¹ Francium	226.03 Ra 88 [Rn]7s ² Radium	(227.03) Ac 89 [Rn]6d ¹ 7s ² Actinium	(267.12) Rf 104 [Rn]5f ¹⁴ 6d ² 7s ² Rutherfordium	(268.13) Db 105 [Rn]5f ¹⁴ 6d ³ 7s ² Dubnium	(271.13) Sg 106 [Rn]5f ¹⁴ 6d ⁴ 7s ² Seaborgium	(270.13) Bh 107 [Rn]5f ¹⁴ 6d ⁵ 7s ² Bohrium	(277.15) Hs 108 [Rn]5f ¹⁴ 6d ⁶ 7s ² Hassium	(278.16) Mt 109 [Rn]5f ¹⁴ 6d ⁷ 7s ² Meitnerium	(281.17) Ds 110 [Rn]5f ¹⁴ 6d ⁸ 7s ² Darmstadtium	(282.17) Rg 111 [Rn]5f ¹⁴ 6d ⁹ 7s ² Roentgenium	(285.18) Cn 112 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² Copernicium	(289.19) Uut 113 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ¹ Ununtrium	(289.19) Fl 114 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ² Flerovium	(289.19) Uup 115 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ³ Ununpentium	(293.20) Lv 116 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ⁴ Livermorium	(294.21) Uus 117 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ⁵ Ununseptium	(294.21) Uuo 118 [Rn]5f ¹⁴ 6d ¹⁰ 7s ² p ⁶ Ununoctium						

138.91 La 57 [Xe]5d ¹ 6s ² Lanthane	140.12 Ce 58 [Xe]4f ¹ 5d ¹ 6s ² Cérium	140.91 Pr 59 [Xe]4f ³ 6s ² Praséodyme	144.24 Nd 60 [Xe]4f ⁴ 6s ² Néodyme	(144.91) Pm 61 [Xe]4f ⁶ 6s ² Prométhium	150.36 Sm 62 [Xe]4f ⁶ 6s ² Samarium	151.96 Eu 63 [Xe]4f ⁷ 6s ² Europium	157.25 Gd 64 [Xe]4f ⁷ 5d ¹ 6s ² Gadolinium	158.93 Tb 65 [Xe]4f ⁹ 6s ² Terbium	162.50 Dy 66 [Xe]4f ¹⁰ 6s ² Dysprosium	164.93 Ho 67 [Xe]4f ¹¹ 6s ² Holmium	167.26 Er 68 [Xe]4f ¹² 6s ² Erbium	168.93 Tm 69 [Xe]4f ¹³ 6s ² Thulium	173.04 Yb 70 [Xe]4f ¹⁴ 6s ² Ytterbium	174.97 Lu 71 [Xe]4f ¹⁴ 5d ¹ 6s ² Lutétium
(227.03) Ac 89 [Rn]6d ¹ 7s ² Actinium	232.04 Th 90 [Rn]6d ² 7s ² Thorium	231.04 Pa 91 [Rn]5f ² 6d ¹ 7s ² Protactinium	238.03 U 92 [Rn]5f ³ 6d ¹ 7s ² Uranium	(237.05) Np 93 [Rn]5f ⁶ 6d ¹ 7s ² Neptunium	(244.06) Pu 94 [Rn]5f ⁶ 7s ² Plutonium	(243.06) Am 95 [Rn]5f ⁷ 7s ² Américium	(247.07) Cm 96 [Rn]5f ⁷ 6d ¹ 7s ² Curium	(247.07) Bk 97 [Rn]5f ⁹ 7s ² Berkélium	(251.08) Cf 98 [Rn]5f ¹⁰ 7s ² Californium	(252.08) Es 99 [Rn]5f ¹¹ 7s ² Einsteinium	(257.10) Fm 100 [Rn]5f ¹² 7s ² Fermium	(258.10) Md 101 [Rn]5f ¹³ 7s ² Mendélévium	(259.10) No 102 [Rn]5f ¹⁴ 7s ² Nobélium	(266.12) Lr 103 [Rn]5f ¹⁴ 6d ¹ 7s ² Lawrencium