

Tableau périodique des éléments

|   |                                     |                                      |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        |                                      |                                      |                                       |                                        |                                     |                                      |                                 |
|---|-------------------------------------|--------------------------------------|-------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------|---------------------------------|
|   | 1                                   |                                      |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        |                                      |                                      |                                       |                                        |                                     |                                      | 18                              |
|   | 1<br>1.0<br><b>H</b><br>HYDROGÈNE   |                                      |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        |                                      |                                      |                                       |                                        |                                     |                                      | 2<br>4.0<br><b>He</b><br>HÉLIUM |
| 1 |                                     | 2                                    |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        | 13                                   | 14                                   | 15                                    | 16                                     | 17                                  |                                      |                                 |
| 2 | 3<br>6.9<br><b>Li</b><br>LITHIUM    | 4<br>9.0<br><b>Be</b><br>BÉRYLLIUM   |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        | 5<br>10.8<br><b>B</b><br>BORE        | 6<br>12.0<br><b>C</b><br>CARBONE     | 7<br>14.0<br><b>N</b><br>AZOTE        | 8<br>16.0<br><b>O</b><br>OXYGÈNE       | 9<br>19.0<br><b>F</b><br>FLUOR      | 10<br>20.2<br><b>Ne</b><br>NÉON      |                                 |
| 3 | 11<br>23.0<br><b>Na</b><br>SODIUM   | 12<br>24.3<br><b>Mg</b><br>MAGNÉSIUM |                                     |                                          |                                     |                                       |                                      |                                       |                                       |                                         |                                        |                                        | 13<br>27.0<br><b>Al</b><br>ALUMINIUM | 14<br>28.1<br><b>Si</b><br>SILICIUM  | 15<br>31.0<br><b>P</b><br>PHOSPHORE   | 16<br>32.1<br><b>S</b><br>SOUFRE       | 17<br>35.5<br><b>Cl</b><br>CHLORE   | 18<br>40.0<br><b>Ar</b><br>ARGON     |                                 |
| 4 | 19<br>39.1<br><b>K</b><br>POTASSIUM | 20<br>40.1<br><b>Ca</b><br>CALCIUM   | 21<br>45.0<br><b>Sc</b><br>SCANDIUM | 22<br>47.9<br><b>Ti</b><br>TITANE        | 23<br>50.9<br><b>V</b><br>VANADIUM  | 24<br>52.0<br><b>Cr</b><br>CHROME     | 25<br>54.9<br><b>Mn</b><br>MANGANÈSE | 26<br>55.8<br><b>Fe</b><br>FER        | 27<br>58.9<br><b>Co</b><br>COBALT     | 28<br>58.7<br><b>Ni</b><br>NICKEL       | 29<br>63.5<br><b>Cu</b><br>CUIVRE      | 30<br>65.4<br><b>Zn</b><br>ZINC        | 31<br>69.7<br><b>Ga</b><br>GALLIUM   | 32<br>72.6<br><b>Ge</b><br>GERMANIUM | 33<br>74.9<br><b>As</b><br>ARSENIC    | 34<br>79.0<br><b>Se</b><br>SÉLÉNIUM    | 35<br>79.9<br><b>Br</b><br>BROME    | 36<br>83.8<br><b>Kr</b><br>KRYPTON   |                                 |
| 5 | 37<br>85.5<br><b>Rb</b><br>RUBIDIUM | 38<br>87.6<br><b>Sr</b><br>STRONTIUM | 39<br>88.9<br><b>Y</b><br>YTTRIUM   | 40<br>91.2<br><b>Zr</b><br>ZIRCONIUM     | 41<br>92.9<br><b>Nb</b><br>NIOBIUM  | 42<br>95.9<br><b>Mo</b><br>MOLYBDÈNE  | 43<br>98<br><b>Tc</b><br>TECHNÉTIUM  | 44<br>101.1<br><b>Ru</b><br>RUTHÉNIUM | 45<br>102.9<br><b>Rh</b><br>RHODIUM   | 46<br>106.4<br><b>Pd</b><br>PALLADIUM   | 47<br>107.9<br><b>Ag</b><br>ARGENT     | 48<br>112.4<br><b>Cd</b><br>CADMIUM    | 49<br>114.8<br><b>In</b><br>INDIUM   | 50<br>118.7<br><b>Sn</b><br>ÉTAIN    | 51<br>121.8<br><b>Sb</b><br>ANTIMOINE | 52<br>127.6<br><b>Te</b><br>TELLURE    | 53<br>126.9<br><b>I</b><br>IODE     | 54<br>131.3<br><b>Xe</b><br>XÉNON    |                                 |
| 6 | 55<br>132.9<br><b>Cs</b><br>CÉSIUM  | 56<br>137.3<br><b>Ba</b><br>BARIUM   | 57–71<br>Lanthanides                | 72<br>178.5<br><b>Hf</b><br>HAFNIUM      | 73<br>180.9<br><b>Ta</b><br>TANTALE | 74<br>183.8<br><b>W</b><br>TUNGSTÈNE  | 75<br>186.2<br><b>Re</b><br>RHÉNIUM  | 76<br>190.2<br><b>Os</b><br>OSMIUM    | 77<br>192.2<br><b>Ir</b><br>IRIDIUM   | 78<br>195.1<br><b>Pt</b><br>PLATINE     | 79<br>197.0<br><b>Au</b><br>OR         | 80<br>200.6<br><b>Hg</b><br>MERCURE    | 81<br>204.4<br><b>Tl</b><br>THALLIUM | 82<br>207.2<br><b>Pb</b><br>PLOMB    | 83<br>209.0<br><b>Bi</b><br>BISMUTH   | 84<br>209<br><b>Po</b><br>POLONIUM     | 85<br>210<br><b>At</b><br>ASTATE    | 86<br>222<br><b>Rn</b><br>RADON      |                                 |
| 7 | 87<br>223<br><b>Fr</b><br>FRANCIUM  | 88<br>226<br><b>Ra</b><br>RADIUM     | 89–103<br>Actinides                 | 104<br>267<br><b>Rf</b><br>RUTHERFORDIUM | 105<br>268<br><b>Db</b><br>DUBNIUM  | 106<br>271<br><b>Sg</b><br>SEABORGIUM | 107<br>272<br><b>Bh</b><br>BOHRIUM   | 108<br>277<br><b>Hs</b><br>HASSIUM    | 109<br>276<br><b>Mt</b><br>MEITNÉRIUM | 110<br>281<br><b>Ds</b><br>DARMSTADTIUM | 111<br>280<br><b>Rg</b><br>ROENTGENIUM | 112<br>285<br><b>Cn</b><br>COPERNICIUM | 113<br>285<br><b>Nh</b><br>NIHONIUM  | 114<br>287<br><b>Fl</b><br>FLÉROVIUM | 115<br>289<br><b>Mc</b><br>MOSCOVIUM  | 116<br>291<br><b>Lv</b><br>LIVERMORIUM | 117<br>294<br><b>Ts</b><br>TENNESSE | 118<br>294<br><b>Og</b><br>OGANESSON |                                 |

Lanthanides

|                                      |                                    |                                        |                                     |                                      |                                      |                                      |                                        |                                     |                                        |                                     |                                    |                                     |                                       |                                      |
|--------------------------------------|------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------------|-------------------------------------|----------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|
| 57<br>138.9<br><b>La</b><br>LANTHANE | 58<br>140.1<br><b>Ce</b><br>CÉRIUM | 59<br>140.9<br><b>Pr</b><br>PRASÉODYME | 60<br>144.2<br><b>Nd</b><br>NÉODYME | 61<br>145<br><b>Pm</b><br>PROMÉTHIUM | 62<br>150.4<br><b>Sm</b><br>SAMARIUM | 63<br>152.0<br><b>Eu</b><br>EUROPIUM | 64<br>157.3<br><b>Gd</b><br>GADOLINIUM | 65<br>159.0<br><b>Tb</b><br>TERBIUM | 66<br>162.5<br><b>Dy</b><br>DYSPROSIUM | 67<br>164.9<br><b>Ho</b><br>HOLMIUM | 68<br>167.3<br><b>Er</b><br>ERBIUM | 69<br>168.9<br><b>Tm</b><br>THULIUM | 70<br>173.0<br><b>Yb</b><br>YTTERBIUM | 71<br>175.0<br><b>Lu</b><br>LUTÉCIUM |
|--------------------------------------|------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------------|-------------------------------------|----------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------|

Actinides

|                                    |                                     |                                          |                                    |                                     |                                     |                                     |                                  |                                     |                                       |                                       |                                    |                                        |                                     |                                       |
|------------------------------------|-------------------------------------|------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|----------------------------------------|-------------------------------------|---------------------------------------|
| 89<br>227<br><b>Ac</b><br>ACTINIUM | 90<br>232.0<br><b>Th</b><br>THORIUM | 91<br>231.0<br><b>Pa</b><br>PROTACTINIUM | 92<br>238.0<br><b>U</b><br>URANIUM | 93<br>237<br><b>Np</b><br>NEPTUNIUM | 94<br>244<br><b>Pu</b><br>PLUTONIUM | 95<br>243<br><b>Am</b><br>AMÉRICIUM | 96<br>247<br><b>Cm</b><br>CURIUM | 97<br>247<br><b>Bk</b><br>BERKÉLIUM | 98<br>251<br><b>Cf</b><br>CALIFORNIUM | 99<br>252<br><b>Es</b><br>EINSTEINIUM | 100<br>257<br><b>Fm</b><br>FERMIUM | 101<br>258<br><b>Md</b><br>MENDÉLÉVIUM | 102<br>259<br><b>No</b><br>NOBÉLIUM | 103<br>262<br><b>Lr</b><br>LAWRENCIUM |
|------------------------------------|-------------------------------------|------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|----------------------------------------|-------------------------------------|---------------------------------------|