

## Left-step periodic table (by Charles Janet)

|             | f <sup>1</sup> | f <sup>2</sup> | f <sup>3</sup> | f <sup>4</sup> | f <sup>5</sup> | f <sup>6</sup> | f <sup>7</sup> | f <sup>8</sup> | f <sup>9</sup> | f <sup>10</sup> | f <sup>11</sup> | f <sup>12</sup> | f <sup>13</sup> | f <sup>14</sup> | d <sup>1</sup> | d <sup>2</sup> | d <sup>3</sup> | d <sup>4</sup> | d <sup>5</sup> | d <sup>6</sup> | d <sup>7</sup> | d <sup>8</sup> | d <sup>9</sup> | d <sup>10</sup> | p <sup>1</sup> | p <sup>2</sup> | p <sup>3</sup> | p <sup>4</sup> | p <sup>5</sup> | p <sup>6</sup> | s <sup>1</sup> | s <sup>2</sup> |    |    |
|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|----|
| 1s          |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 |                |                |                |                |                |                |                |                |                |                 |                |                |                |                |                |                |                | H              | He |    |
| 2s          |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 |                |                |                |                |                |                |                |                |                |                 |                |                |                |                |                |                |                |                | Li | Be |
| 2p 3s       |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 |                |                |                |                |                |                |                |                |                |                 |                | B              | C              | N              | O              | F              | Ne             | Na             | Mg |    |
| 3p 4s       |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 |                |                |                |                |                |                |                |                |                |                 |                | Al             | Si             | P              | S              | Cl             | Ar             | K              | Ca |    |
| 3d 4p 5s    |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 | Sc             | Ti             | V              | Cr             | Mn             | Fe             | Co             | Ni             | Cu             | Zn              | Ga             | Ge             | As             | Se             | Br             | Kr             | Rb             | Sr             |    |    |
| 4d 5p 6s    |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 | Y              | Zr             | Nb             | Mo             | Tc             | Ru             | Rh             | Pd             | Ag             | Cd              | In             | Sn             | Sb             | Te             | I              | Xe             | Cs             | Ba             |    |    |
| 4f 5d 6p 7s | La             | Ce             | Pr             | Nd             | Pm             | Sm             | Eu             | Gd             | Tb             | Dy              | Ho              | Er              | Tm              | Yb              | Lu             | Hf             | Ta             | W              | Re             | Os             | Ir             | Pt             | Au             | Hg              | Tl             | Pb             | Bi             | Po             | At             | Rn             | Fr             | Ra             |    |    |
| 5f 6d 7p 8s | Ac             | Th             | Pa             | U              | Np             | Pu             | Am             | Cm             | Bk             | Cf              | Es              | Fm              | Md              | No              | Lr             | Rf             | Db             | Sg             | Bh             | Hs             | Mt             | Ds             | Rg             | Cn              | Nh             | Fl             | Mc             | Lv             | Ts             | Og             | 119            | 120            |    |    |
|             | f-block        |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 | d-block        |                |                |                |                |                |                |                |                |                 | p-block        |                |                |                |                |                | s-block        |                |    |    |

This form of periodic table is more congruent with the order in which electron shells are ideally filled according to [Madelung's rule](#), as shown in the accompanying sequence in the left margin (read from top to bottom, left to right). In reality, the filling of electron shells is characterized by a number of irregularities.