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The Mendeleev's Table 3D [discovered in 2023]

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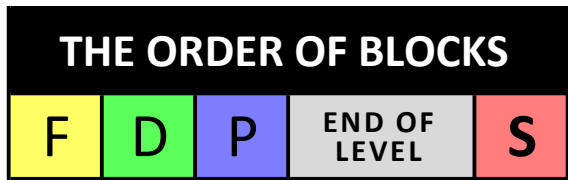
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The Mendeleev's Table 3D

BY MEMBER OF COUNCIL OF THE RUSSIAN SOCIETY FOR MASS SPECTROMETRY PAVEL V. KUDAN

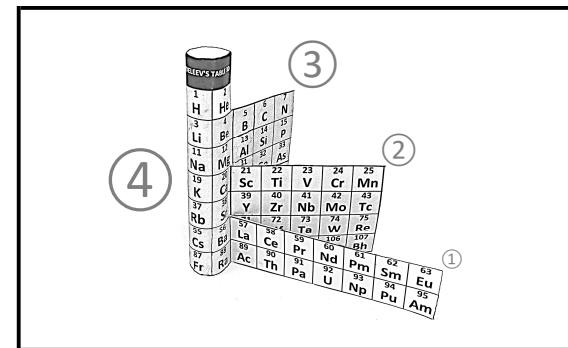
TABLE 3D [2024]

| | | |
|----|----|------|
| 1 | 2 | GLUE |
| H | He | |
| 3 | 4 | GLUE |
| Li | Be | |
| 11 | 12 | GLUE |
| Na | Mg | |
| 19 | 20 | GLUE |
| K | Ca | |
| 37 | 38 | GLUE |
| Rb | Sr | |
| 55 | 56 | GLUE |
| Cs | Ba | |
| 87 | 88 | GLUE |
| Fr | Ra | |



INSPIRED BY MENDELEEV'S FLOWER (MSU)

| | | | | | | | | | | | |
|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 21 | 22 | 23 | 24 | 25 | | | | | | | |
| Sc | Ti | V | Cr | Mn | | | | | | | |
| 39 | 40 | 41 | 42 | 43 | | | | | | | |
| Y | Zr | Nb | Mo | Tc | | | | | | | |
| 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 |
| Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Hf | Ta | W | Re |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
| Cm | Bk | Cf | Es | Fm | Md | No | Lr | Rf | Db | Sg | Bh |



| | | | | | | | | | | | |
|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 |
| Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Hf | Ta | W | Re |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
| Cm | Bk | Cf | Es | Fm | Md | No | Lr | Rf | Db | Sg | Bh |

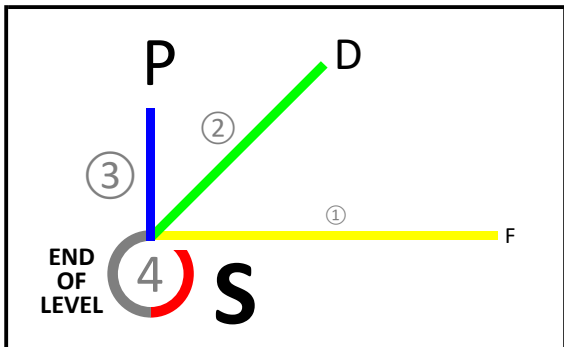
| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| Cs | Ba | La | Ce | Pr | Nd | Pm | Sm | Eu |
| 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| Fr | Ra | Ac | Th | Pa | U | Np | Pu | Am |



USE SCISSORS & GLUE

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 5 | 6 | 7 | | | | | |
| B | C | N | | | | | |
| 13 | 14 | 15 | | | | | |
| Al | Si | P | | | | | |
| 31 | 32 | 33 | | | | | |
| Ga | Ge | As | | | | | |
| 49 | 50 | 51 | | | | | |
| In | Sn | Sb | | | | | |
| 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 |
| Os | Ir | Pt | Au | Hg | Tl | Pb | Bi |
| 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 |
| Hs | Mt | Ds | Rg | Cn | Nh | Fl | Mc |

| | | | |
|-----|-----|-----|--|
| 8 | 9 | 10 | MENDELEEV'S 1 2 3 4 5 6 7 ↓ GLUE ↑ |
| O | F | Ne | |
| 16 | 17 | 18 | |
| S | Cl | Ar | |
| 34 | 35 | 36 | |
| Se | Br | Kr | |
| 52 | 53 | 54 | |
| Te | I | Xe | |
| 84 | 85 | 86 | |
| Po | At | Rn | |
| 116 | 117 | 118 | |
| Lv | Ts | Og | |



| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| Fe | Co | Ni | Cu | Zn | Ga | Ge | As |
| 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
| Ru | Rh | Pd | Ag | Cd | In | Sn | Sb |
| 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 |
| Os | Ir | Pt | Au | Hg | Tl | Pb | Bi |
| 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 |
| Hs | Mt | Ds | Rg | Cn | Nh | Fl | Mc |