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| 1  [H](http://www.webelements.com/hydrogen/)  1.008 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2  [He](http://www.webelements.com/helium/)  4.0026 | |
| 3  [Li](http://www.webelements.com/lithium/)  6.94 | 4  [Be](http://www.webelements.com/beryllium/)  9.0122 |  | | | | | | | | | | | | | | | | | | | | | 5  [B](http://www.webelements.com/boron/)  10.81 | | 6  [C](http://www.webelements.com/carbon/)\*  12.011 | | 7  [N](http://www.webelements.com/nitrogen/)  14.007 | | 8  [O](http://www.webelements.com/oxygen/)  15.999 | | 9  [F](http://www.webelements.com/fluorine/)\*  18.998 | | 10  [Ne](http://www.webelements.com/neon/)  20.180 | |
| 11  [Na](http://www.webelements.com/sodium/)  22.990 | 12  [Mg](http://www.webelements.com/magnesium/)  24.305 |  | | | | | | | | | | | | | | | | | | | | | 13  [Al](http://www.webelements.com/aluminium/)  26.982 | | 14  [Si](http://www.webelements.com/silicon/)  28.085 | | 15  [P](http://www.webelements.com/phosphorus/)\*  30.974 | | 16  [S](http://www.webelements.com/sulfur/)  32.06 | | 17  [Cl](http://www.webelements.com/chlorine/)  35.45 | | 18  [Ar](http://www.webelements.com/argon/)  39.948 | |
| 19  [K](http://www.webelements.com/potassium/)  39.098 | 20  [Ca](http://www.webelements.com/calcium/)  40.078 |  | 21  [Sc](http://www.webelements.com/scandium/)  44.956 | | 22  [Ti](http://www.webelements.com/titanium/)  47.867 | | 23  [V](http://www.webelements.com/vanadium/)  50.942 | | 24  [Cr](http://www.webelements.com/chromium/)  51.996 | | 25  [Mn](http://www.webelements.com/manganese/)  54.938 | | 26  [Fe](http://www.webelements.com/iron/)\*  55.845 | | 27  [Co](http://www.webelements.com/cobalt/)  58.933 | | 28  [Ni](http://www.webelements.com/nickel/)  58.693 | | 29  [Cu](http://www.webelements.com/copper/)  63.546 | | 30  [Zn](http://www.webelements.com/zinc/)  65.38 | | 31  [Ga](http://www.webelements.com/gallium/)  69.723 | | 32  [Ge](http://www.webelements.com/germanium/)  72.63 | | 33  [As](http://www.webelements.com/arsenic/)  74.922 | | 34  [Se](http://www.webelements.com/selenium/)  78.96 | | 35  [Br](http://www.webelements.com/bromine/)  79.904 | | 36  [Kr](http://www.webelements.com/krypton/)  83.798 | |
| 37  [Rb](http://www.webelements.com/rubidium/)  85.468 | 38  [Sr](http://www.webelements.com/strontium/)  87.62 |  | 39  [Y](http://www.webelements.com/yttrium/)  88.906 | | 40  [Zr](http://www.webelements.com/zirconium/)  91.224 | | 41  [Nb](http://www.webelements.com/niobium/)  92.906 | | 42  [Mo](http://www.webelements.com/molybdenum/)  95.96 | | 43  [Tc](http://www.webelements.com/technetium/)  [97.91] | | 44  [Ru](http://www.webelements.com/ruthenium/)  101.07 | | 45  [Rh](http://www.webelements.com/rhodium/)  102.91 | | 46  [Pd](http://www.webelements.com/palladium/)  106.42 | | 47  [Ag](http://www.webelements.com/silver/)  107.87 | | 48  [Cd](http://www.webelements.com/cadmium/)  112.41 | | 49  [In](http://www.webelements.com/indium/)  114.82 | | 50  [Sn](http://www.webelements.com/tin/)\*  118.71 | | 51  [Sb](http://www.webelements.com/antimony/)  121.76 | | 52  [Te](http://www.webelements.com/tellurium/)  127.60 | | 53  [I](http://www.webelements.com/iodine/)  126.90 | | 54  [Xe](http://www.webelements.com/xenon/)  131.29 | |
| 55  [Cs](http://www.webelements.com/caesium/)  132.91 | 56  [Ba](http://www.webelements.com/barium/)  137.33 | . | 71  [Lu](http://www.webelements.com/lutetium/)  174.97 | | 72  [Hf](http://www.webelements.com/hafnium/)  178.49 | | 73  [Ta](http://www.webelements.com/tantalum/)\*  180.95 | | 74  [W](http://www.webelements.com/tungsten/)  183.84 | | 75  [Re](http://www.webelements.com/rhenium/)  186.21 | | 76  [Os](http://www.webelements.com/osmium/)  190.23 | | 77  [Ir](http://www.webelements.com/iridium/)  192.22 | | 78  [Pt](http://www.webelements.com/platinum/)  195.08 | | 79  [Au](http://www.webelements.com/gold/)  196.97 | | 80  [Hg](http://www.webelements.com/mercury/)  200.59 | | 81  [Tl](http://www.webelements.com/thallium/)  204.38 | | 82  [Pb](http://www.webelements.com/lead/)  207.2 | | 83  [Bi](http://www.webelements.com/bismuth/)  208.98 | | 84  [Po](http://www.webelements.com/polonium/)\*  [208.98] | | 85  [At](http://www.webelements.com/astatine/)  [209.99] | | 86  [Rn](http://www.webelements.com/radon/)  [222.02] | |
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|  | | | | .. | | 89  [Ac](http://www.webelements.com/actinium/)  [227.03] | | 90  [Th](http://www.webelements.com/thorium/)  232.04 | | 91  [Pa](http://www.webelements.com/protactinium/)  231.04 | | 92  [U](http://www.webelements.com/uranium/)  238.03 | | 93  [Np](http://www.webelements.com/neptunium/)  [237.05] | | 94  [Pu](http://www.webelements.com/plutonium/)  [244.06] | | 95  [Am](http://www.webelements.com/americium/)  [243.06] | | 96  [Cm](http://www.webelements.com/curium/)  [247.07] | | 97  [Bk](http://www.webelements.com/berkelium/)  [247.07] | | 98  [Cf](http://www.webelements.com/californium/)  [251.08] | | 99  [Es](http://www.webelements.com/einsteinium/)  [252.08] | | 100  [Fm](http://www.webelements.com/fermium/)  [257.10] | | 101  [Md](http://www.webelements.com/mendelevium/)  [258.10] | | 102  [No](http://www.webelements.com/nobelium/)  [259.10] | |

SC

BCC

FCC

HCP

Tetragonal

Monoclinic

Triclinic

Orthorhombic

Rhombohedral

Unknown

\* Allotropic

-Crystal structure of 6d transition metals are predicted. According to “**Östlin,A. Vitos,L.** (2011) First-principles calculation of the structural stability of 6d transition metals. Phys. Rev. B 84, 113104 ”.