Periodic table of the chemical elements

ChemTable chemtable.org

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	**1** 2.20 **H** Hydrogen 1.0080 1																	**2** **He** Helium 4.0026 2
2	**3** 0.98 **Li** Lithium 6.94 2-1	**4** 1.57 **Be** Beryllium 9.0122 2-2											**5** 2.04 **B** Boron 10.81 2-3	**6** 2.55 **C** Carbon 12.011 2-4	**7** 3.04 **N** Nitrogen 14.007 2-5	**8** 3.44 **O** Oxygen 15.999 2-6	**9** 3.98 **F** Fluorine 18.998 2-7	**10** **Ne** Neon 20.180 2-8
3	**11** 0.93 **Na** Sodium 22.990 2-8-1	**12** 1.31 **Mg** Magnesium 24.305 2-8-2											**13** 1.61 **Al** Aluminium 26.982 2-8-3	**14** 1.90 **Si** Silicon 28.085 2-8-4	**15** 2.19 **P** Phosphorus 30.974 2-8-5	**16** 2.58 **S** Sulfur 32.06 2-8-6	**17** 3.16 **Cl** Chlorine 35.45 2-8-7	**18** **Ar** Argon 39.95 2-8-8
4	**19** 0.82 **K** Potassium 39.098 2-8-8-1	**20** 1.00 **Ca** Calcium 40.078 2-8-8-2	**21** 1.36 **Sc** Scandium 44.956 2-8-9-2	**22** 1.54 **Ti** Titanium 47.867 2-8-10-2	**23** 1.63 **V** Vanadium 50.942 2-8-11-2	**24** 1.66 **Cr** Chromium 51.996 2-8-13-1	**25** 1.55 **Mn** Manganese 54.938 2-8-13-2	**26** 1.83 **Fe** Iron 55.845 2-8-14-2	**27** 1.88 **Co** Cobalt 58.933 2-8-15-2	**28** 1.91 **Ni** Nickel 58.693 2-8-16-2	**29** 1.90 **Cu** Copper 63.546 2-8-18-1	**30** 1.65 **Zn** Zinc 65.38 2-8-18-2	**31** 1.81 **Ga** Gallium 69.723 2-8-18-3	**32** 2.01 **Ge** Germanium 72.630 2-8-18-4	**33** 2.18 **As** Arsenic 74.922 2-8-18-5	**34** 2.55 **Se** Selenium 78.971 2-8-18-6	**35** 2.96 **Br** Bromine 79.904 2-8-18-7	**36** 3.00 **Kr** Krypton 83.798 2-8-18-8
5	**37** 0.82 **Rb** Rubidium 85.468 2-8-18-8-1	**38** 0.95 **Sr** Strontium 87.62 2-8-18-8-2	**39** 1.22 **Y** Yttrium 88.906 2-8-18-9-2	**40** 1.33 **Zr** Zirconium 91.222 2-8-18-10-2	**41** 1.6 **Nb** Niobium 92.906 2-8-18-12-1	**42** 2.16 **Mo** Molybdenum 95.95 2-8-18-13-1	**43** 1.9 **Tc** Technetium [97] 2-8-18-13-2	**44** 2.2 **Ru** Ruthenium 101.07 2-8-18-15-1	**45** 2.28 **Rh** Rhodium 102.91 2-8-18-16-1	**46** 2.20 **Pd** Palladium 106.42 2-8-18-18	**47** 1.93 **Ag** Silver 107.87 2-8-18-18-1	**48** 1.69 **Cd** Cadmium 112.41 2-8-18-18-2	**49** 1.78 **In** Indium 114.82 2-8-18-18-3	**50** 1.96 **Sn** Tin 118.71 2-8-18-18-4	**51** 2.05 **Sb** Antimony 121.76 2-8-18-18-5	**52** 2.1 **Te** Tellurium 127.60 2-8-18-18-6	**53** 2.66 **I** Iodine 126.90 2-8-18-18-7	**54** 2.6 **Xe** Xenon 131.29 2-8-18-18-8
6	**55** 0.79 **Cs** Caesium 132.91 2-8-18-18-8-1	**56** 0.89 **Ba** Barium 137.33 2-8-18-18-8-2	57–71	**72** 1.3 **Hf** Hafnium 178.49 2-8-18-32-10-2	**73** 1.5 **Ta** Tantalum 180.95 2-8-18-32-11-2	**74** 2.36 **W** Tungsten 183.84 2-8-18-32-12-2	**75** 1.9 **Re** Rhenium 186.21 2-8-18-32-13-2	**76** 2.2 **Os** Osmium 190.23 2-8-18-32-14-2	**77** 2.20 **Ir** Iridium 192.22 2-8-18-32-15-2	**78** 2.28 **Pt** Platinum 195.08 2-8-18-32-17-1	**79** 2.54 **Au** Gold 196.97 2-8-18-32-18-1	**80** 2.00 **Hg** Mercury 200.59 2-8-18-32-18-2	**81** 1.62 **Tl** Thallium 204.38 2-8-18-32-18-3	**82** 1.87 **Pb** Lead 207.2 2-8-18-32-18-4	**83** 2.02 **Bi** Bismuth 208.98 2-8-18-32-18-5	**84** 2.0 **Po** Polonium [209] 2-8-18-32-18-6	**85** **At** Astatine [210] 2-8-18-32-18-7	**86** **Rn** Radon [222] 2-8-18-32-18-8
7	**87** **Fr** Francium [223] 2-8-18-32-18-8-1	**88** 0.9 **Ra** Radium [226] 2-8-18-32-18-8-2	89–103	**104** **Rf** Rutherfordium [267] 2-8-18-32-32-10-2	**105** **Db** Dubnium [268] 2-8-18-32-32-11-2	**106** **Sg** Seaborgium [269] 2-8-18-32-32-12-2	**107** **Bh** Bohrium [270] 2-8-18-32-32-13-2	**108** **Hs** Hassium [269] 2-8-18-32-32-14-2	**109** **Mt** Meitnerium [278] 2-8-18-32-32-15-2	**110** **Ds** Darmstadtium [281] 2-8-18-32-32-16-2	**111** **Rg** Roentgenium [282] 2-8-18-32-32-17-2	**112** **Cn** Copernicium [285] 2-8-18-32-32-18-2	**113** **Nh** Nihonium [286] 2-8-18-32-32-18-3	**114** **Fl** Flerovium [289] 2-8-18-32-32-18-4	**115** **Mc** Moscovium [290] 2-8-18-32-32-18-5	**116** **Lv** Livermorium [293] 2-8-18-32-32-18-6	**117** **Ts** Tennessine [294] 2-8-18-32-32-18-7	**118** **Og** Oganesson [294] 2-8-18-32-32-18-8

	57 1.10 **La** Lanthanum 138.91 2-8-18-18-9-2	**58** 1.12 **Ce** Cerium 140.12 2-8-18-19-9-2	**59** 1.13 **Pr** Praseodymium 140.91 2-8-18-21-8-2	**60** 1.14 **Nd** Neodymium 144.24 2-8-18-22-8-2	**61** **Pm** Promethium [145] 2-8-18-23-8-2	**62** 1.17 **Sm** Samarium 150.36 2-8-18-24-8-2	**63** **Eu** Europium 151.96 2-8-18-25-8-2	**64** 1.20 **Gd** Gadolinium 157.25 2-8-18-25-9-2	**65** **Tb** Terbium 158.93 2-8-18-27-8-2	**66** 1.22 **Dy** Dysprosium 162.50 2-8-18-28-8-2	**67** 1.23 **Ho** Holmium 164.93 2-8-18-29-8-2	**68** 1.24 **Er** Erbium 167.26 2-8-18-30-8-2	**69** 1.25 **Tm** Thulium 168.93 2-8-18-31-8-2	**70** **Yb** Ytterbium 173.05 2-8-18-32-8-2	**71** 1.27 **Lu** Lutetium 174.97 2-8-18-32-9-2
	89 1.1 **Ac** Actinium [227] 2-8-18-32-18-9-2	**90** 1.3 **Th** Thorium 232.04 2-8-18-32-18-10-2	**91** 1.5 **Pa** Protactinium 231.04 2-8-18-32-20-9-2	**92** 1.38 **U** Uranium 238.03 2-8-18-32-21-9-2	**93** 1.36 **Np** Neptunium [237] 2-8-18-32-22-9-2	**94** 1.28 **Pu** Plutonium [244] 2-8-18-32-24-8-2	**95** **Am** Americium [243] 2-8-18-32-25-8-2	**96** **Cm** Curium [247] 2-8-18-32-25-9-2	**97** **Bk** Berkelium [247] 2-8-18-32-27-8-2	**98** **Cf** Californium [251] 2-8-18-32-28-8-2	**99** **Es** Einsteinium [252] 2-8-18-32-29-8-2	**100** **Fm** Fermium [257] 2-8-18-32-30-8-2	**101** **Md** Mendelevium [258] 2-8-18-32-31-8-2	**102** **No** Nobelium [259] 2-8-18-32-32-8-2	**103** **Lr** Lawrencium [266] 2-8-18-32-32-8-3

Atomic number · Electronegativity (Pauling)
Symbol
Name
Atomic mass
Electrons per shell

Alkali metals
Alkaline earth metals
Transition metals
Post-transition metals
Metalloids
Nonmetals
Halogens
Noble gases
Lanthanides
Actinides

[227] — mass number of the most stable isotope

Data sources: IUPAC CIAAW, NIST, PubChem (NIH), Wikidata · CC BY 4.0 · 2026-10-25