

# Periodic Table With Shells

PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	<b>H</b> Hydrogen 1.008																	<b>He</b> Helium 4.003
2	<b>Li</b> Lithium 6.941	<b>Be</b> Beryllium 9.012											<b>B</b> Boron 10.811	<b>C</b> Carbon 12.011	<b>N</b> Nitrogen 14.007	<b>O</b> Oxygen 15.999	<b>F</b> Fluorine 18.998	<b>Ne</b> Neon 20.180
3	<b>Na</b> Sodium 22.990	<b>Mg</b> Magnesium 24.305											<b>Al</b> Aluminum 26.982	<b>Si</b> Silicon 28.086	<b>P</b> Phosphorus 30.974	<b>S</b> Sulfur 32.066	<b>Cl</b> Chlorine 35.453	<b>Ar</b> Argon 39.948
4	<b>K</b> Potassium 39.098	<b>Ca</b> Calcium 40.078	<b>Sc</b> Scandium 44.956	<b>Ti</b> Titanium 47.867	<b>V</b> Vanadium 50.942	<b>Cr</b> Chromium 51.996	<b>Mn</b> Manganese 54.938	<b>Fe</b> Iron 55.845	<b>Co</b> Cobalt 58.933	<b>Ni</b> Nickel 58.693	<b>Cu</b> Copper 63.546	<b>Zn</b> Zinc 65.38	<b>Ga</b> Gallium 69.723	<b>Ge</b> Germanium 72.631	<b>As</b> Arsenic 74.922	<b>Se</b> Selenium 78.971	<b>Br</b> Bromine 79.904	<b>Kr</b> Krypton 83.798
5	<b>Rb</b> Rubidium 85.468	<b>Sr</b> Strontium 87.62	<b>Y</b> Yttrium 88.906	<b>Zr</b> Zirconium 91.224	<b>Nb</b> Niobium 92.906	<b>Mo</b> Molybdenum 95.95	<b>Tc</b> Technetium 98.907	<b>Ru</b> Ruthenium 101.07	<b>Rh</b> Rhodium 102.906	<b>Pd</b> Palladium 106.42	<b>Ag</b> Silver 107.868	<b>Cd</b> Cadmium 112.414	<b>In</b> Indium 114.818	<b>Sn</b> Tin 118.711	<b>Sb</b> Antimony 121.760	<b>Te</b> Tellurium 127.6	<b>I</b> Iodine 126.904	<b>Xe</b> Xenon 131.293
6	<b>Cs</b> Caesium 132.905	<b>Ba</b> Barium 137.328	Lanthanoids	<b>Hf</b> Hafnium 178.49	<b>Ta</b> Tantalum 180.948	<b>W</b> Tungsten 183.84	<b>Re</b> Rhenium 186.207	<b>Os</b> Osmium 190.23	<b>Ir</b> Iridium 192.217	<b>Pt</b> Platinum 195.085	<b>Au</b> Gold 196.967	<b>Hg</b> Mercury 200.592	<b>Tl</b> Thallium 204.383	<b>Pb</b> Lead 207.2	<b>Bi</b> Bismuth 208.980	<b>Po</b> Polonium 208.982	<b>At</b> Astatine 209.987	<b>Rn</b> Radon 222.018
7	<b>Fr</b> Francium 223.020	<b>Ra</b> Radium 226.025	Actinoids	<b>Rf</b> Rutherfordium [261]	<b>Db</b> Dubnium [262]	<b>Sg</b> Seaborgium [266]	<b>Bh</b> Bohrium [264]	<b>Hs</b> Hassium [269]	<b>Mt</b> Meitnerium [278]	<b>Ds</b> Darmstadtium [281]	<b>Rg</b> Roentgenium [280]	<b>Cn</b> Copernicium [285]	<b>Nh</b> Nihonium [286]	<b>Fl</b> Flerovium [289]	<b>Mc</b> Moscovium [289]	<b>Lv</b> Livermorium [293]	<b>Ts</b> Tennessine [294]	<b>Og</b> Oganesson [294]

Group (IUPAC)	→ 2
Atomic Number	→ 4 2
Symbol	→ Be 2
Name	→ Beryllium
Atomic Mass	→ 9.012

Number of Electron in Shells

Lanthanoids

57 <b>La</b> Lanthanum 138.905	58 <b>Ce</b> Cerium 140.116	59 <b>Pr</b> Praseodymium 138.905	60 <b>Nd</b> Neodymium 144.243	61 <b>Pm</b> Promethium 144.913	62 <b>Sm</b> Samarium 150.36	63 <b>Eu</b> Europium 151.964	64 <b>Gd</b> Gadolinium 157.25	65 <b>Tb</b> Terbium 158.925	66 <b>Dy</b> Dysprosium 162.500	67 <b>Ho</b> Holmium 164.930	68 <b>Er</b> Erbium 167.259	69 <b>Tm</b> Thulium 168.934	70 <b>Yb</b> Ytterbium 173.055	71 <b>Lu</b> Lutetium 174.967
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Actinoids

89 <b>Ac</b> Actinium 227.028	90 <b>Th</b> Thorium 232.038	91 <b>Pa</b> Protactinium 231.036	92 <b>U</b> Uranium 238.029	93 <b>Np</b> Neptunium 237.048	94 <b>Pu</b> Plutonium 237.048	95 <b>Am</b> Americium 243.061	96 <b>Cm</b> Curium 247.070	97 <b>Bk</b> Berkelium 247.070	98 <b>Cf</b> Californium 251.080	99 <b>Es</b> Einsteinium [254]	100 <b>Fm</b> Fermium 257.095	101 <b>Md</b> Mendelevium 258.1	102 <b>No</b> Nobelium 259.101	103 <b>Lr</b> Lawrencium [262]
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Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Metalloid	Nonmetal	Halogen	Noble Gas	Lanthanide	Actinide
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