

# THE PERIODIC TABLE OF ELEMENTS

Group	1	2	metals										semimetals					non-metals					18
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																	<b>He</b> Helium 4					
2	<b>Li</b> Lithium 7	<b>Be</b> Beryllium 9											<b>B</b> Boron 11	<b>C</b> Carbon 12	<b>N</b> Nitrogen 14	<b>O</b> Oxygen 16	<b>F</b> Fluorine 19	<b>Ne</b> Neon 20					
3	<b>Na</b> Sodium 23	<b>Mg</b> Magnesium 24											<b>Al</b> Aluminium 27	<b>Si</b> Silicon 28	<b>P</b> Phosphorus 31	<b>S</b> Sulfur 32	<b>Cl</b> Chlorine 35,5	<b>Ar</b> Argon 40					
4	<b>K</b> Potassium 39	<b>Ca</b> Calcium 40	<b>Sc</b> Scandium 45	<b>Ti</b> Titanium 48	<b>V</b> Vanadium 51	<b>Cr</b> Chromium 52	<b>Mn</b> Manganese 55	<b>Fe</b> Iron 56	<b>Co</b> Cobalt 59	<b>Ni</b> Nickel 59	<b>Cu</b> Copper 63,5	<b>Zn</b> Zinc 65	<b>Ga</b> Gallium 79	<b>Ge</b> Germanium 73	<b>As</b> Arsenic 75	<b>Se</b> Selenium 79	<b>Br</b> Bromine 80	<b>Kr</b> Krypton 84					
5	<b>Rb</b> Rubidium 86	<b>Sr</b> Strontium 88	<b>Y</b> Yttrium 89	<b>Zr</b> Zirconium 91	<b>Nb</b> Niobium 93	<b>Mo</b> Molybdenum 96	<b>Tc</b> Technetium (98)	<b>Ru</b> Ruthenium 101	<b>Rh</b> Rhodium 103	<b>Pd</b> Palladium 106	<b>Ag</b> Silver 108	<b>Cd</b> Cadmium 112	<b>In</b> Indium 115	<b>Sn</b> Tin 119	<b>Sb</b> Antimony 122	<b>Te</b> Tellurium 128	<b>I</b> Iodine 127	<b>Xe</b> Xenon 131					
6	<b>Cs</b> Caesium 133	<b>Ba</b> Barium 137	<b>La</b> Lanthanum 139	<b>Hf</b> Hafnium 179	<b>Ta</b> Tantalum 181	<b>W</b> Tungsten 184	<b>Re</b> Rhenium 186	<b>Os</b> Osmium 190	<b>Ir</b> Iridium 192	<b>Pt</b> Platinum 195	<b>Au</b> Gold 197	<b>Hg</b> Mercury 201	<b>Tl</b> Thallium 204	<b>Pb</b> Lead 207	<b>Bi</b> Bismuth 209	<b>Po</b> Polonium (209)	<b>At</b> Astatine (210)	<b>Rn</b> Radon (222)					
7	<b>Fr</b> Francium (223)	<b>Ra</b> Radium (226)	<b>Ac</b> Actinium (227)	<b>Rf</b> Rutherfordium (267)	<b>Db</b> Dubnium (268)	<b>Sg</b> Seaborgium (269)	<b>Bh</b> Bohrium (270)	<b>Hs</b> Hassium (277)	<b>Mt</b> Meitnerium (278)	<b>Ds</b> Darmstadtium (281)	<b>Rg</b> Roentgenium (282)	<b>Cn</b> Copernicium (285)	<b>Nh</b> Nihonium (286)	<b>Fl</b> Flerovium (289)	<b>Mc</b> Moscovium (290)	<b>Lv</b> Livermorium (293)	<b>Ts</b> Tennessine (294)	<b>Og</b> Oganesson (294)					

6	<b>Ce</b> Cerium 140	<b>Pr</b> Praseodymium 141	<b>Nd</b> Neodymium 144	<b>Pm</b> Promethium (145)	<b>Sm</b> Samarium 150	<b>Eu</b> Europium 152	<b>Gd</b> Gadolinium 157	<b>Tb</b> Terbium 159	<b>Dy</b> Dysprosium 163	<b>Ho</b> Holmium 165	<b>Er</b> Erbium 167	<b>Tm</b> Thulium 169	<b>Yb</b> Ytterblum 173	<b>Lu</b> Lutetium 175
7	<b>Th</b> Thorium 232	<b>Pa</b> Protactinium 231	<b>U</b> Uranium 238	<b>Np</b> Neptunium (237)	<b>Pu</b> Plutonium (244)	<b>Am</b> Americium (243)	<b>Cm</b> Curium (247)	<b>Bk</b> Berkelium (247)	<b>Cf</b> Californium (251)	<b>Es</b> Einsteinium (252)	<b>Fm</b> Fermium (257)	<b>Md</b> Mendelevium (258)	<b>No</b> Nobelium (259)	<b>Lr</b> Lawrencium (266)

