

# Periodic Table of the Elements

**Groups**

**Periods**

1											18						
<b>H</b> Hydrogen 1.00794											<b>He</b> Helium 4.002602						
<b>Li</b> Lithium 6.941	<b>Be</b> Beryllium 9.012182											<b>B</b> Boron 10.811	<b>C</b> Carbon 12.0170	<b>N</b> Nitrogen 14.0067	<b>O</b> Oxygen 15.9994	<b>F</b> Fluorine 18.9984032	<b>Ne</b> Neon 20.1797
<b>Na</b> Sodium 22.98976928	<b>Mg</b> Magnesium 24.3050											<b>Al</b> Aluminium 26.9815386	<b>Si</b> Silicon 28.0855	<b>P</b> Phosphorus 30.973762	<b>S</b> Sulfur 32.065	<b>Cl</b> Chlorine 35.453	<b>Ar</b> Argon 39.948
<b>K</b> Potassium 39.0983	<b>Ca</b> Calcium 40.078	<b>Sc</b> Scandium 44.955912	<b>Ti</b> Titanium 47.867	<b>V</b> Vanadium 50.9415	<b>Cr</b> Chromium 51.9961	<b>Mn</b> Manganese 54.938045	<b>Fe</b> Iron 55.845	<b>Co</b> Cobalt 58.933195	<b>Ni</b> Nickel 58.6934	<b>Cu</b> Copper 63.546	<b>Zn</b> Zinc 65.409	<b>Ga</b> Gallium 69.723	<b>Ge</b> Germanium 72.64	<b>As</b> Arsenic 74.92160	<b>Se</b> Selenium 78.96	<b>Br</b> Bromine 79.904	<b>Kr</b> Krypton 83.798
<b>Rb</b> Rubidium 85.4678	<b>Sr</b> Strontium 87.62	<b>Y</b> Yttrium 88.90585	<b>Zr</b> Zirconium 91.224	<b>Nb</b> Niobium 92.90638	<b>Mo</b> Molybdenum 95.94	<b>Tc</b> Technetium [98]	<b>Ru</b> Ruthenium 101.07	<b>Rh</b> Rhodium 102.90550	<b>Pd</b> Palladium 106.42	<b>Ag</b> Silver 107.8682	<b>Cd</b> Cadmium 112.411	<b>In</b> Indium 114.818	<b>Sn</b> Tin 118.710	<b>Sb</b> Antimony 121.760	<b>Te</b> Tellurium 127.60	<b>I</b> Iodine 126.90447	<b>Xe</b> Xenon 131.293
<b>Cs</b> Caesium 132.9054519	<b>Ba</b> Barium 137.327	<b>La</b> Lanthanum 138.90547	<b>Hf</b> Hafnium 178.49	<b>Ta</b> Tantalum 180.94788	<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 195.084	<b>Au</b> Gold 196.966569	<b>Hg</b> Mercury 200.59	<b>Tl</b> Thallium 204.3833	<b>Pb</b> Lead 207.2	<b>Bi</b> Bismuth 208.98040	<b>Po</b> Polonium [209]	<b>At</b> Astatine [210]	<b>Rn</b> Radon [222]
<b>Fr</b> Francium [223]	<b>Ra</b> Radium [226]	<b>Ac</b> Actinium [227]	<b>Rf</b> Rutherfordium [261]	<b>Db</b> Dubnium [262]	<b>Sg</b> Seaborgium [266]	<b>Bh</b> Bohrium [264]	<b>Hs</b> Hassium [277]	<b>Mt</b> Meitnerium [268]	<b>Ds</b> Darmstadtium [271]	<b>Rg</b> Roentgenium [272]	<b>Uub</b> Ununbium [294]	<b>Uut</b> Ununtrium [295]	<b>Uuq</b> Ununquadium [296]	<b>Uup</b> Ununpentium [297]	<b>Uuh</b> Ununhexium [298]	<b>Uus</b> Ununseptium [299]	<b>Uuo</b> Ununoctium [300]

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**Lanthanide series**

<b>Ce</b> Cerium 140.116	<b>Pr</b> Praseodymium 140.90765	<b>Nd</b> Neodymium 144.242	<b>Pm</b> Promethium [145]	<b>Sm</b> Samarium 150.36	<b>Eu</b> Europium 151.964	<b>Gd</b> Gadolinium 157.25	<b>Tb</b> Terbium 158.92535	<b>Dy</b> Dysprosium 162.500	<b>Ho</b> Holmium 164.93032	<b>Er</b> Erbium 167.259	<b>Tm</b> Thulium 168.93421	<b>Yb</b> Ytterbium 173.04	<b>Lu</b> Lutetium 174.967
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**Actinide series**

<b>Th</b> Thorium 232.03806	<b>Pa</b> Protactinium 231.03588	<b>U</b> Uranium 238.02891	<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 [262]
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