

Group 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Periodic Table of the Elements

Period

This table gives information about the chemical elements. Elements are grouped into ten classes according to their properties. Each class is shown in a different color. The elements are arranged in order of increasing atomic number. Vertical numbers headed by Arabic numerals are called groups. A horizontal sequence of elements is called a Period. The most active elements are at the top right and bottom left of the table.

1	H Hydrogen 1.008																	He Helium 4.002602												
2	Li Lithium 6.94	Be Beryllium 9.012...	<table border="1"> <tr> <td>Metalloids</td> <td colspan="4">Nonmetals</td> </tr> <tr> <td></td> <td>Other nonmetals</td> <td>Halogens</td> <td colspan="2">Noble Gases</td> </tr> </table>										Metalloids	Nonmetals					Other nonmetals	Halogens	Noble Gases		B Boron 10.81	C Carbon 12.011	N Nitrogen 14.007	O Oxygen 15.999	F Fluorine 18.998...	Ne Neon 20.1797		
Metalloids	Nonmetals																													
	Other nonmetals	Halogens	Noble Gases																											
3	Na Sodium 22.99...	Mg Magnesium 24.305	<table border="1"> <tr> <td colspan="2">Metals</td> </tr> <tr> <td>Alkali metals</td> <td>Alkaline earth metals</td> <td>Lanthanoids</td> <td>Transition metals</td> <td>Post-transition metals</td> </tr> <tr> <td></td> <td></td> <td>Actinoids</td> <td></td> <td></td> </tr> </table>										Metals		Alkali metals	Alkaline earth metals	Lanthanoids	Transition metals	Post-transition metals			Actinoids			Al Aluminum 26.981...	Si Silicon (223)	P Phosphorus 30.973...	S Sulfur 32.06	Cl Chlorine 35.45	Ar Argon 39.948
Metals																														
Alkali metals	Alkaline earth metals	Lanthanoids	Transition metals	Post-transition metals																										
		Actinoids																												
4	K Potassium 39.0983	Ca Calcium 40.078	Sc Scandium 44.955...	Ti Titanium 47.867	V Vanadium 50.9415	Cr Chromium 51.9961	Mn Manganese 54.938...	Fe Iron 55.845	Co Cobalt 58.933...	Ni Nickel 58.6934	Cu Copper 63.546	Zn Zinc 65.38	Ga Gallium 69.723	Ge Germanium 72.63	As Arsenic 74.921...	Se Selenium 78.971	Br Bromine 79.904	Kr Krypton 83.798												
5	Rb Rubidium 85.4678	Sr Strontium 87.62	Y Yttrium 88.90584	Zr Zirconium 91.224	Nb Niobium 92.90637	Mo Molybdenum 95.95	Tc Technetium (98)	Ru Ruthenium 101.07	Rh Rhodium 102.90...	Pd Palladium 106.42	Ag Silver 107.8682	Cd Cadmium 112.414	In Indium 114.818	Sn Tin 118.710	Sb Antimony 121.760	Te Tellurium 127.60	I Iodine 126.90...	Xe Xenon 131.293												
6	Cs Caesium 132.90...	Ba Barium 137.327	Lanthanide Series 57-71	Hf Hafnium 178.49	Ta Tantalum 180.94...	W Tungsten 183.84	Re Rhenium 186.207	Os Osmium 190.23	Ir Iridium 192.217	Pt Platinum 195.084	Au Gold 196.96...	Hg Mercury 200.59	Tl Thallium 204.38	Pb Lead 207.2	Bi Bismuth 208.98...	Po Polonium (209)	At Astatine (210)	Rn Radon (222)												
7	Fr Francium (223)	Ra Radium (226)	Actinide Series 89-103	Rf Rutherfordium (267)	Db Dubnium (268)	Sg Seaborgium (271)	Bh Bohrium (272)	Hs Hassium (270)	Mt Meitnerium (276)	Ds Darmstadtium (281)	Rg Roentgenium (280)	Cn Copernicium (285)	Uut Ununtrium (284)	Fl Flerovium (289)	Uup Ununpentium (288)	Lv Livermorium (293)	Uus Ununseptium (294)	Uuo Ununoctium (294)												
				La Lanthanum 138.90...	Ce Cerium 140.116	Praseodymium 140.90...	Nd Neodymium 144.242	Pm Promethium (145)	Sm Samarium 152.03	Eu Europium 151.964	Gd Gadolinium 157.25	Tb Terbium 158.92...	Dy Dysprosium 162.500	Ho Holmium 164.93...	Er Erbium 167.259	Tm Thulium 168.93...	Yb Ytterbium 173.054	Lu Lutetium 174.9668												
				Ac Actinium (227)	Th Thorium 232.0377	Pa Protactinium 231.03...	U Uranium 238.02...	Np Neptunium (227)	Pu Plutonium (244)	Am Americium (243)	Cm Curium (247)	Bk Berkelium (247)	Cf Californium (251)	Es Einsteinium (252)	Fm Fermium (257)	Md Mendelevium (258)	No Nobelium (259)	Lr Lawrencium (262)												

Atomic Number: 86
 Chemical Symbol: Rn
 Element Name: Radon (222)
 Atomic Weight: (222)

Number of Electrons in Each Shell: 2, 8, 18, 32, 18, 8



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