

Periodic Table of Elements

Group	1		2		Transition Metals										Metals						Nonmetals																																																					
	1A	2A	3B	4B	5B	6B	7B	8B	9	10	11B	12B	13A	14A	15A	16A	17A	18A																																																								
Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																																																								
1	H Hydrogen 1.008	He Helium 4.003											B Boron 10.811	C Carbon 12.011	N Nitrogen 14.007	O Oxygen 15.999	F Fluorine 18.998	Ne Neon 20.180																																																								
2	Li Lithium 6.941	Be Beryllium 9.012											Al Aluminum 26.982	Si Silicon 28.086	P Phosphorus 30.974	S Sulfur 32.06	Cl Chlorine 35.453	Ar Argon 39.948																																																								
3	Na Sodium 22.990	Mg Magnesium 24.305											Al Aluminum 26.982	Si Silicon 28.086	P Phosphorus 30.974	S Sulfur 32.06	Cl Chlorine 35.453	Ar Argon 39.948																																																								
4	K Potassium 39.098	Ca Calcium 40.078	Sc Scandium 44.956	Ti Titanium 47.88	V Vanadium 50.942	Cr Chromium 51.996	Mn Manganese 54.938	Fe Iron 55.846	Co Cobalt 58.933	Ni Nickel 58.693	Cu Copper 63.546	Zn Zinc 65.409	Ga Gallium 62.723	Ge Germanium 72.64	As Arsenic 74.921	Se Selenium 78.96	Br Bromine 79.904	Kr Krypton 83.798																																																								
5	Rb Rubidium 85.468	Sr Strontium 87.62	Y Yttrium 88.906	Zr Zirconium 91.224	Nb Niobium 92.906	Mo Molybdenum 95.94	Tc Technetium (98)	Ru Ruthenium 101.07	Rh Rhodium 102.906	Pd Palladium 106.42	Ag Silver 107.868	Cd Cadmium 112.411	In Indium 114.818	Sn Tin 118.710	Sb Antimony 121.760	Te Tellurium 127.60	I Iodine 126.904	Xe Xenon 131.293																																																								
6	Cs Cesium 132.905	Ba Barium 137.327	La Lanthanum 138.906	Hf Hafnium 178.49	Ta Tantalum 180.948	W Tungsten 183.8	Re Rhenium 186.207	Os Osmium 190.23	Ir Iridium 192.217	Pt Platinum 195.084	Au Gold 196.967	Hg Mercury 200.59	Tl Thallium 204.383	Pb Lead 207.2	Bi Bismuth 208.980	Po Polonium (209)	At Astatine (210)	Rn Radon (222)																																																								
7	Fr Francium (223)	Ra Radium (226)	Ac Actinium (227)	Rf Rutherfordium (261)	Db Dubnium (262)	Sg Seaborgium (266)	Bh Bohrium (264)	Hs Hassium (277)	Mt Meitnerium (268)	Ds Darmstadtium (271)	Rg Roentgenium (272)																																																															
<p>Inner Transition Metals</p> <p>Lanthanide series</p> <table border="1" style="margin: auto;"> <tr> <td>58</td><td>Ce Cerium 140.116</td> <td>59</td><td>Pr Praseodymium 140.908</td> <td>60</td><td>Nd Neodymium 144.242</td> <td>61</td><td>Pm Promethium (145)</td> <td>62</td><td>Sm Samarium 150.36</td> <td>63</td><td>Eu Europium 151.96</td> <td>64</td><td>Gd Gadolinium 157.25</td> <td>65</td><td>Tb Terbium 158.925</td> <td>66</td><td>Dy Dysprosium 162.50</td> <td>67</td><td>Ho Holmium 164.930</td> <td>68</td><td>Er Erbium 167.259</td> <td>69</td><td>Tm Thulium 168.934</td> <td>70</td><td>Yb Ytterbium 173.04</td> <td>71</td><td>Lu Lutetium 174.967</td> </tr> <tr> <td>90</td><td>Th Thorium 232.036</td> <td>91</td><td>Pa Protactinium 231.036</td> <td>92</td><td>U Uranium 238.029</td> <td>93</td><td>Np Neptunium (237)</td> <td>94</td><td>Pu Plutonium (244)</td> <td>95</td><td>Am Americium (243)</td> <td>96</td><td>Cm Curium (247)</td> <td>97</td><td>Bk Berkelium (247)</td> <td>98</td><td>Cf Californium (251)</td> <td>99</td><td>Es Einsteinium (252)</td> <td>100</td><td>Fm Fermium (257)</td> <td>101</td><td>Md Mendelevium (258)</td> <td>102</td><td>No Nobelium (259)</td> <td>103</td><td>Lr Lawrencium (262)</td> </tr> </table> <p>Actinide series</p>																			58	Ce Cerium 140.116	59	Pr Praseodymium 140.908	60	Nd Neodymium 144.242	61	Pm Promethium (145)	62	Sm Samarium 150.36	63	Eu Europium 151.96	64	Gd Gadolinium 157.25	65	Tb Terbium 158.925	66	Dy Dysprosium 162.50	67	Ho Holmium 164.930	68	Er Erbium 167.259	69	Tm Thulium 168.934	70	Yb Ytterbium 173.04	71	Lu Lutetium 174.967	90	Th Thorium 232.036	91	Pa Protactinium 231.036	92	U Uranium 238.029	93	Np Neptunium (237)	94	Pu Plutonium (244)	95	Am Americium (243)	96	Cm Curium (247)	97	Bk Berkelium (247)	98	Cf Californium (251)	99	Es Einsteinium (252)	100	Fm Fermium (257)	101	Md Mendelevium (258)	102	No Nobelium (259)	103	Lr Lawrencium (262)
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