

Periodic Chart of the Elements

1 (IA)																								18 (VIIIA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1 2.1 1+ 1- H hydrogen 1.01																								2 -- He helium 4.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2 (IIA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3 1.0 1+ Li lithium 6.94																								13 (IIIA)		14 (IVA)		15 (VA)		16 (VIA)		17 (VIIA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
11 0.9 1+ Na sodium 22.99																								5 2.0 B boron 10.81		6 2.5 C carbon 12.01		7 3.0 3- N nitrogen 14.01		8 3.5 2- O oxygen 16.00		9 4.0 1- F fluorine 19.00		10 -- Ne neon 20.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
12 1.2 2+ Mg magnesium 24.31																								13 1.5 3+ Al aluminum 26.98		14 1.8 Si silicon 28.09		15 2.1 3- P phosphorus 30.97		16 2.5 2- S sulfur 32.07		17 3.0 1- Cl chlorine 35.45		18 -- Ar argon 39.95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
																								19 0.8 1+ K potassium 39.10		20 1.0 2+ Ca calcium 40.08		21 1.3 3+ Sc scandium 44.96		22 1.4 4+ Ti titanium 47.90		23 1.6 5+ V vanadium 50.94		24 1.6 3+ Cr chromium 52.00		25 1.5 2+ Mn manganese 54.94		26 1.8 3+ Fe iron 55.85		27 1.8 2+ Co cobalt 58.93		28 1.8 2+ Ni nickel 58.71		29 1.9 2+ Cu copper 63.55		30 1.6 2+ Zn zinc 65.38		31 1.6 3+ Ga gallium 69.74		32 1.8 4+ Ge germanium 72.59		33 2.0 3- As arsenic 74.92		34 2.4 2- Se selenium 78.96		35 2.8 1- Br bromine 79.90		36 -- Kr krypton 83.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
																								37 0.8 1+ Rb rubidium 85.47		38 1.0 2+ Sr strontium 87.62		39 1.3 3+ Y yttrium 88.91		40 1.4 4+ Zr zirconium 91.22		41 1.6 5+ Nb niobium 92.91		42 1.8 6+ Mo molybdenum 95.94		43 1.9 7+ Tc technetium 98.91		44 2.2 3+ Ru ruthenium 101.07		45 2.2 3+ Rh rhodium 102.91		46 2.2 2+ Pd palladium 106.40		47 1.9 1+ Ag silver 107.87		48 1.7 2+ Cd cadmium 112.41		49 1.7 3+ In indium 114.82		50 1.8 4+ Sn tin 118.69		51 1.9 3+ Sb antimony 121.75		52 2.1 2- Te tellurium 127.60		53 2.5 1- I iodine 126.90		54 -- Xe xenon 131.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
																								55 0.7 1+ Cs cesium 132.91		56 0.9 2+ Ba barium 137.33		57-71 lanthanoids		72 1.3 4+ Hf hafnium 178.49		73 1.5 5+ Ta tantalum 180.95		74 1.7 6+ W tungsten 183.85		75 1.9 7+ Re rhenium 186.21		76 2.2 4+ Os osmium 190.20		77 2.2 4+ Ir iridium 192.22		78 2.2 2+ Pt platinum 195.09		79 2.4 3+ Au gold 196.97		80 1.9 2+ 1+ Hg mercury 200.59		81 1.8 1+ 3+ Tl thallium 204.37		82 1.8 2+ 4+ Pb lead 207.19		83 1.9 3+ 5+ Bi bismuth 208.98		84 2.0 2+ 4+ Po polonium (209)		85 2.2 1- At astatine (210)		86 -- Rn radon (222)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
																								87 0.7 1+ Fr francium (223)		88 0.9 2+ Ra radium (226)		89-103 actinoids		104 - Rf rutherfordium (267)		105 - Db dubnium (270)		106 - Sg seaborgium (269)		107 - Bh bohrium (270)		108 - Hs hassium (270)		109 - Mt meitnerium (278)		110 - Ds darmstadtium (281)		111 - Rg roentgenium (281)		112 - Cn copernicium (285)		113 - Nh nihonium (286)		114 - Fl flerovium (289)		115 - Mc moscovium (289)		116 - Lv livermorium (293)		117 - Ts tennessine (293)		118 - Og oganeson (294)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													