

Periodic Table of Elements

Group																		18 VIIIA			
1 IA																		18 VIIIA			
Period	1	1 1.008 1.1 1-1 13.6 0.7542 H Hydrogen 1s¹																	2 4.003 1.4 0 24.59 He Helium 1s²		
	2	3 6.94 1.82 1 5.392 0.618 Li Lithium [He]2s¹	4 9.012 1.53 2 9.323 Be Beryllium [He]2s²																		
	3	11 22.990 2.27 1 5.139 0.5479 Na Sodium [Ne]3s¹	12 24.305 1.73 2 7.646 Mg Magnesium [Ne]3s²																		
	4	19 39.098 2.75 1 4.341 0.5015 K Potassium [Ar]4s¹	20 40.078 2.31 2 6.113 0.02455 Ca Calcium [Ar]4s²	21 44.956 2.15 3 6.561 0.188 Sc Scandium [Ar]3d¹4s²	22 47.867 2.11 4 6.828 0.079 Ti Titanium [Ar]3d²4s²	23 50.942 2.07 5 6.746 0.525 V Vanadium [Ar]3d³4s²	24 51.996 2.06 6 6.766 0.666 Cr Chromium [Ar]3d⁵4s¹	25 54.938 2.05 7 6.434 Mn Manganese [Ar]3d⁵4s²	26 55.845 2.04 6 7.902 0.151 Fe Iron [Ar]3d⁶4s²	27 58.933 2.0 7 7.881 0.662 Co Cobalt [Ar]3d⁷4s²	28 58.693 1.97 8 7.64 1.156 Ni Nickel [Ar]3d⁸4s²	29 63.546 1.96 9 7.726 1.235 Cu Copper [Ar]3d¹⁰4s¹	30 65.38 2.01 10 9.394 Zn Zinc [Ar]3d¹⁰4s²	31 69.723 1.87 3 5.999 0.43 Ga Gallium [Ar]3d¹⁰4s²4p¹	32 72.630 2.11 4 7.899 1.233 Ge Germanium [Ar]3d¹⁰4s²4p²	33 74.922 1.85 5 9.788 0.804 As Arsenic [Ar]3d¹⁰4s²4p³	34 78.971 1.9 6 9.752 2.021 Se Selenium [Ar]3d¹⁰4s²4p⁴	35 79.904 1.85 7 11.81 3.364 Br Bromine [Ar]3d¹⁰4s²4p⁵	36 83.798 2.02 8 14.0 Kr Krypton [Ar]3d¹⁰4s²4p⁶		
	5	37 85.468 3.03 1 4.177 0.4859 Rb Rubidium [Kr]5s¹	38 87.62 2.49 2 5.695 0.048 Sr Strontium [Kr]5s²	39 88.906 2.32 3 6.217 0.307 Y Yttrium [Kr]4d¹5s²	40 91.224 2.23 4 6.634 0.426 Zr Zirconium [Kr]4d²5s²	41 92.906 2.18 5 6.759 0.916 Nb Niobium [Kr]4d⁴5s¹	42 95.95 2.17 6 7.092 0.748 Mo Molybdenum [Kr]4d⁵5s¹	43 98 2.16 7 7.28 0.55 Tc Technetium [Kr]4d⁵5s²	44 101.07 2.13 8 7.36 1.05 Ru Ruthenium [Kr]4d⁷5s¹	45 102.906 2.1 9 7.459 1.137 Rh Rhodium [Kr]4d⁸5s¹	46 106.42 2.1 10 8.337 0.562 Pd Palladium [Kr]4d¹⁰	47 107.868 2.11 11 7.576 1.302 Ag Silver [Kr]4d¹⁰5s¹	48 112.414 2.18 2 8.994 Cd Cadmium [Kr]4d¹⁰5s²	49 114.818 1.93 3 5.786 0.2995 In Indium [Kr]4d¹⁰5s²5p¹	50 118.710 2.17 4 7.344 1.112 Sn Tin [Kr]4d¹⁰5s²5p²	51 121.760 2.06 5 8.608 1.046 Sb Antimony [Kr]4d¹⁰5s²5p³	52 127.60 2.06 6 9.009 1.971 Te Tellurium [Kr]4d¹⁰5s²5p⁴	53 126.904 1.98 7 10.45 3.059 I Iodine [Kr]4d¹⁰5s²5p⁵	54 131.293 2.16 8 12.13 Xe Xenon [Kr]4d¹⁰5s²5p⁶		
	6	55 132.905 3.43 1 3.894 0.4716 Cs Caesium [Xe]6s¹	56 137.327 2.68 2 5.212 0.1446 Ba Barium [Xe]6s²	57-71		72 178.486 2.23 4 6.825 0.014 Hf Hafnium [Xe]4f¹⁴5d²6s²	73 180.948 2.22 5 7.549 0.322 Ta Tantalum [Xe]4f¹⁴5d³6s²	74 183.84 2.18 6 7.864 0.8162 W Tungsten [Xe]4f¹⁴5d⁴6s²	75 186.207 2.16 7 7.833 0.15 Re Rhenium [Xe]4f¹⁴5d⁵6s²	76 190.23 2.16 8 8.438 1.1 Os Osmium [Xe]4f¹⁴5d⁶6s²	77 192.217 2.13 9 8.967 1.564 Ir Iridium [Xe]4f¹⁴5d⁷6s²	78 195.084 2.13 10 8.959 2.128 Pt Platinum [Xe]4f¹⁴5d⁸6s¹	79 196.967 2.14 11 9.225 2.309 Au Gold [Xe]4f¹⁴5d¹⁰6s¹	80 200.592 2.23 2 10.44 Hg Mercury [Xe]4f¹⁴5d¹⁰6s²	81 204.38 1.96 3 6.108 0.377 Tl Thallium [Xe]4f¹⁴5d¹⁰6s²6p¹	82 207.2 2.02 4 7.417 0.364 Pb Lead [Xe]4f¹⁴5d¹⁰6s²6p²	83 208.980 2.07 5 7.285 0.9423 Bi Bismuth [Xe]4f¹⁴5d¹⁰6s²6p³	84 209 1.97 6 8.414 1.9 Po Polonium [Xe]4f¹⁴5d¹⁰6s²6p⁴	85 210 2.02 7 10.45 2.8 At Astatine [Xe]4f¹⁴5d¹⁰6s²6p⁵	86 222 2.2 8 10.75 Rn Radon [Xe]4f¹⁴5d¹⁰6s²6p⁶	
	7	87 223 3.48 1 4.073 0.46 Fr Francium [Rn]7s¹	88 226 2.83 2 5.278 0.1 Ra Radium [Rn]7s²	89-103		104 267 6.001 U Rf Rutherfordium [Rn]5f¹⁴6d²7s²	105 268 U Db Dubnium [Rn]5f¹⁴6d³7s²	106 269 U Sg Seaborgium [Rn]5f¹⁴6d⁴7s²	107 270 U Bh Bohrium [Rn]5f¹⁴6d⁵7s²	108 269 U Hs Hassium [Rn]5f¹⁴6d⁶7s²	109 278 U Mt Meitnerium [Rn]5f¹⁴6d⁷7s²	110 281 U Ds Darmstadtium [Rn]5f¹⁴6d⁸7s¹	111 280 U Rg Roentgenium [Rn]5f¹⁴6d¹⁰7s¹	112 285 U Cn Copernicium [Rn]5f¹⁴6d¹⁰7s²	113 286 U Nh Nihonium [Rn]5f¹⁴6d¹⁰7s²7p¹	114 289 U Fl Flerovium [Rn]5f¹⁴6d¹⁰7s²7p²	115 289 U Mc Moscovium [Rn]5f¹⁴6d¹⁰7s²7p³	116 293 U Lv Livermorium [Rn]5f¹⁴6d¹⁰7s²7p⁴	117 294 U Ts Tennessine [Rn]5f¹⁴6d¹⁰7s²7p⁵	118 294 U 0.056 Og Oganesson [Rn]5f¹⁴6d¹⁰7s²7p⁶	