Periodic Table of the Elements

1 2.20 1*s* **H** Hydrogen 1.00784– 1.00811																	**2** 1*s* **He** Helium 4.002602(2)
3 0.98 2*s* **Li** Lithium 6.938–6.997	**4** 1.57 2*s* **Be** Beryllium 9.0121831(5)											**5** 2.04 2*p* **B** Boron 10.806–10.821	**6** 2.55 2*p* **C** Carbon 12.0096– 12.0116	**7** 3.04 2*p* **N** Nitrogen 14.00643– 14.00728	**8** 3.44 2*p* **O** Oxygen 15.99903– 15.99977	**9** 3.98 2*p* **F** Fluorine 18.998403163(6)	**10** 2*p* **Ne** Neon 20.1797(6)
11 0.93 3*s* **Na** Sodium 22.98976928(2)	**12** 1.31 3*s* **Mg** Magnesium 24.304–24.307											**13** 1.61 3*p* **Al** Aluminium 26.9815385(7)	**14** 1.90 3*p* **Si** Silicon 28.084–28.086	**15** 2.19 3*p* **P** Phosphorus 30.973761998(5)	**16** 2.58 3*p* **S** Sulphur 32.059–32.076	**17** 3.16 3*p* **Cl** Chlorine 35.446–35.457	**18** 3*p* **Ar** Argon 39.948(1)
19 0.82 4*s* **K** Potassium 39.0983(1)	**20** 1.00 4*s* **Ca** Calcium 40.078(4)	**21** 1.36 3*d* **Sc** Scandium 44.955908(5)	**22** 1.54 3*d* **Ti** Titanium 47.867(1)	**23** 1.63 3*d* **V** Vanadium 50.9415(1)	**24** 1.66 3*d** **Cr** Chromium 51.9961(6)	**25** 1.55 3*d* **Mn** Manganese 54.938044(3)	**26** 1.83 3*d* **Fe** Iron 55.845(2)	**27** 1.88 3*d* **Co** Cobalt 58.933194(4)	**28** 1.91 3*d* **Ni** Nickel 58.6934(4)	**29** 1.90 3*d** **Cu** Copper 63.546(3)	**30** 1.65 3*d* **Zn** Zinc 65.38(2)	**31** 1.81 4*p* **Ga** Gallium 69.723(1)	**32** 2.01 4*p* **Ge** Germanium 72.630(8)	**33** 2.18 4*p* **As** Arsenic 74.921595(6)	**34** 2.55 4*p* **Se** Selenium 78.971(8)	**35** 2.96 4*p* **Br** Bromine 79.901–79.907	**36** 3.00 4*p* **Kr** Krypton 83.798(2)
37 0.82 5*s* **Rb** Rubidium 85.4678(3)	**38** 0.95 5*s* **Sr** Strontium 87.62(1)	**39** 1.22 4*d* **Y** Yttrium 88.90584(2)	**40** 1.33 4*d* **Zr** Zirconium 91.224(2)	**41** 1.6 4*d** **Nb** Niobium 92.90637(2)	**42** 2.16 4*d** **Mo** Molybdenum 95.95(1)	**43** 1.9 4*d* **Tc** Technetium (98)	**44** 2.2 4*d** **Ru** Ruthenium 101.07(2)	**45** 2.28 4*d** **Rh** Rhodium 102.90550(2)	**46** 2.20 4*d** **Pd** Palladium 106.42(1)	**47** 1.93 4*d** **Ag** Silver 107.8682(2)	**48** 1.69 4*d* **Cd** Cadmium 112.414(4)	**49** 1.78 5*p* **In** Indium 114.818(1)	**50** 1.96 5*p* **Sn** Tin 118.710(7)	**51** 2.05 5*p* **Sb** Antimony 121.760(1)	**52** 2.1 5*p* **Te** Tellurium 127.60(3)	**53** 2.66 5*p* **I** Iodine 126.90447(3)	**54** 2.60 5*p* **Xe** Xenon 131.293(6)
55 0.79 6*s* **Cs** Cesium 132.90545196(6)	**56** 0.89 6*s* **Ba** Barium 137.327(7)	**57-71** * Lanthanides	**72** 1.3 5*d* **Hf** Halfnium 178.49(2)	**73** 1.5 5*d* **Ta** Tantalum 180.94788(2)	**74** 2.36 5*d* **W** Tungsten 183.84(1)	**75** 1.9 5*d* **Re** Rhenium 186.207(1)	**76** 2.2 5*d* **Os** Osmium 190.23(3)	**77** 2.20 5*d* **Ir** Iridium 192.217(3)	**78** 2.28 5*d** **Pt** Platinum 195.084(9)	**79** 2.54 5*d** **Au** Gold 196.966569(5)	**80** 2.00 5*d* **Hg** Mercury 200.592(3)	**81** 1.62 6*p* **Tl** Thallium 204.382– 204.385	**82** 1.87 6*p* **Pb** Lead 207.2(1)	**83** 2.02 6*p* **Bi** Bismuth 208.98040(1)	**84** 2.0 6*p* **Po** Polonium (209)	**85** 2.2 6*p* **At** Astatine (210)	**86** 2.2 6*p* **Rn** Radon (222)
87 0.7 7*s* **Fr** Francium (223)	**88** 0.9 7*s* **Ra** Radium (226)	**89-103** ** Actinides	**104** 6*d* **Rf** Rutherfordium (261)	**105** 6*d* **Db** Dubnium (268)	**106** 6*d* **Sg** Seaborgium (269)	**107** 6*d* **Bh** Bohrium (270)	**108** 6*d* **Hs** Hassium (269)	**109** 6*d* **Mt** Meitnerium (278)	**110** 6*d* **Ds** Darmstadtium (281)	**111** 6*d* **Rg** Roentgenium (282)	**112** 6*d* **Cn** Copernicium (285)	**113** 7*p* **Uut** Ununtrium (286)	**114** 7*p* **Fl** Flerovium (289)	**115** 7*p* **Uup** Ununpentium (289)	**116** 7*p* **Lv** Livermorium (293)	**117** 7*p* **Uus** Ununseptium (294)	**118** 7*p* **Uuo** Ununoctium (294)

*	**57** 1.1 5*d** **La** Lanthanum 138.90547(7)	**58** 1.12 4*f** **Ce** Cerium 140.116(1)	**59** 1.13 4*f* **Pr** Praseodymium 140.90766(2)	**60** 1.14 4*f* **Nd** Neodymium 144.242(3)	**61** 1.13 4*f* **Pm** Promethium (145)	**62** 1.17 4*f* **Sm** Samarium 150.36(2)	**63** 1.2 4*f* **Eu** Europium 151.964(1)	**64** 1.2 4*f** **Gd** Gadolinium 157.25(3)	**65** 1.1 4*f* **Tb** Terbium 158.92535(2)	**66** 1.22 4*f* **Dy** Dysprosium 162.500(1)	**67** 1.23 4*f* **Ho** Holmium 164.93033(2)	**68** 1.24 4*f* **Er** Erbium 167.259(3)	**69** 1.25 4*f* **Tm** Thulium 168.93422(2)	**70** 1.1 4*f* **Yb** Ytterbium 173.045(10)	**71** 1.27 4*f* **Lu** Lutetium 174.9668(1)
**	**89** 1.1 6*d** **Ac** Actinium (227)	**90** 1.3 5*f** **Th** Thorium 232.0377(4)	**91** 1.5 5*f** **Pa** Protactinium 231.03588(2)	**92** 1.38 5*f** **U** Uranium 238.02891(3)	**93** 1.36 5*f** **Np** Neptunium (237)	**94** 1.28 5*f* **Pu** Plutonium (244)	**95** 1.13 5*f* **Am** Americium (243)	**96** 1.28 5*f** **Cm** Curium (247)	**97** 1.3 5*f* **Bk** Berkelium (247)	**98** 1.3 5*f* **Cf** Californium (251)	**99** 1.3 5*f* **Es** Einsteinium (252)	**100** 1.3 5*f* **Fm** Fermium (257)	**101** 1.3 5*f* **Md** Mendelevium (258)	**102** 1.3 5*f* **No** Nobelium (259)	**103** 1.3 5*f* **Lr** Lawrencium (266)

Z eneg ss
Sy
Name
saw

Z = atomic number; eneg = electronegativity; ss = subshell;
Sy = Symbol, Name = element name, saw = standard atomic weight

Standard atomic weights taken from the Commission on Isotopic Abundances and Atomic Weights (ciaaw.org/atomic-weights.htm). Adapted from Ivan Griffin's LaTeX Periodic Table.

An asterisk (*) next to a subshell indicates an anomalous (Aufbau rule-breaking) ground state electron configuration.