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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Periodic Table of the Elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
| hydrogen  **1** H 1.00794 |  | |  | |  | |  | |  | |  | |  | |  | | Key: | |  | |  | |  | |  | |  | |  | |  | | helium  **2** He 4.002602 | |
| lithium  **3** Li 6.941 | beryllium  **4** Be 9.012182 | |  | |  | |  | |  | |  | |  | |  | | element name  **atomic number**  **symbol**  atomic weight | | | |  | | boron  **5** B 10.811 | | carbon  **6** C 12.0107 | | nitrogen  **7** N 14.00674 | | oxygen  **8** O 15.9994 | | fluorine  **9** F 18.9984 | | neon  **10** Ne 20.1797 | |
| sodium  **11** Na 22.98977 | magnesium  **12** Mg 24.3050 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | aluminium  **13** Al 26.981538 | | silicon  **14** Si 28.0855 | | phosphorus  **15** P 30.97376 | | sulphur  **16** S 32.065 | | chlorine  **17** Cl 35.453 | | argon  **18** Ar 39.984 | |
| potassium  **19** K 39.0983 | calcium  **20** Ca 40.078 | | scandium  **21** Sc 44.95591 | | titanium  **22** Ti 47.867 | | vanadium  **23** V 50.9415 | | chromium  **24** Cr 51.9961 | | manganese  **25** Mn 54.93805 | | iron  **26** Fe 55.845 | | cobalt  **27** Co 58.9332 | | nickel  **28** Ni 58.6934 | | copper  **29** Cu 63.546 | | zinc  **30** Zn 65.409 | | gallium  **31** Ga 69.723 | | germanium  **32** Ge 72.64 | | arsenic  **33** As 74.9216 | | selenium  **34** Se 78.96 | | bromine  **35** Br 79.904 | | krypton  **36** Kr 83.798 | |
| rubidium  **37** Rb 85.4678 | strontium  **38** Sr 87.62 | | yttrium  **39** Y 88.90585 | | zirconium  **40** Zr 91.225 | | niobium  **41** Nb 92.90638 | | molybdenum  **42** Mo 95.94 | | technetium  **43** Tc [98] | | ruthenium  **44** Ru 101.07 | | rhodium  **45** Rh 102.9055 | | palladium  **46** Pd 106.42 | | silver  **47** Ag 107.8682 | | cadmium  **48** Cd 112.411 | | indium  **49** In 114.818 | | tin  **50** Sn 118.710 | | antimony  **51** Sb 121.760 | | tellurium  **52** Te 127.60 | | iodine  **53** I 126.9045 | | xenon  **54** Xe 131.293 | |
| caesium  **55** Cs 132.90545 | barium  **56** Ba 137.327 | | lutetium  **71** Lu 174.967 | | hafnium  **72** Hf 178.49 | | tantalum  **73** Ta 180.9479 | | tungsten  **74** W 183.84 | | rhenium  **75** Re 186.207 | | osmium  **76** Os 190.23 | | iridium  **77** Ir 192.217 | | platinum  **78** Pt 195.078 | | gold  **79** Au 196.96655 | | mercury  **80** Hg 200.59 | | thallium  **81** Tl 204.3833 | | lead  **82** Pb 207.2 | | bismuth  **83** Bi 208.980 | | polonium  **84** Po [209] | | astatine  **85** At [210] | | radon  **86** Rn [222] | |
| francium  **87** Fr [223] | radium  **88** Ra [226] | | lawrencium  **103** Lr [262] | | rutherfordium  **104** Rf [261] | | dubnium  **105** Db [262] | | seaborgium  **106** Sg [266] | | bohrium  **107** Bh [264] | | hassium  **108** Hs [269] | | meitnerium  **109** Mt [268] | | darmstadtium  **110** Ds [271] | | roentgenium  **111** Rg [272] | | ununbium  **112** Uub [285] | |  | | ununquadium  **114** Uuq [289] | |  | |  | |  | |  | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
|  |  | | lanthanum  **57** La 138.9055 | | cerium  **58** Ce 140.116 | | praseodymium  **59** Pr 140.90765 | | neodymium  **60** Nd 144.24 | | promethium  **61** Pm [145] | | samarium  **62** Sm 150.36 | | europium  **63** Eu 151.964 | | gadolinium  **64** Gd 157.25 | | terbium  **65** Tb 158.9253 | | dysprosium  **66** Dy 162.50 | | holmium  **67** Ho 164.930 | | erbium  **68** Er 167.259 | | thulium  **69** Tm 168.934 | | ytterbium  **70** Yb 173.04 | |  | |  | |
|  |  | | actinium  **89** Ac [227] | | thorium  **90** Th 232.038 | | protactinium  **91** Pa 231.0359 | | uranium  **92** U 238.0289 | | neptunium  **93** Np [237] | | plutonium  **94** Pu [244] | | americium  **95** Am [243] | | curium  **96** Cm [247] | | berkelium  **97** Bk [247] | | californium  **98** Cf [251] | | einsteinium  **99** Es [252] | | fermium  **100** Fm [257] | | mendelevium  **101** Md [258] | | nobelium  **102** No [259] | |  | |  | |
|  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  |

Notes: Elements with atomic weights in square brackets have no stable isotopes. Different sources list different atomic weights for elements. The difference arises from the differing atomic weights of various isotopes. We have tried to list the most stable isotope. For example, some sources list the atomic weight of seaborgium as 263 and others 266. The most stable isotope appears have an atomic weight of 266 so we list that weight here. Roentgenium is still the unofficial name of element 111 but it is the one recommended by the IUPAC so we list it here instead of the generic ‘unununium’. Aluminum, cesium, and sulfur are the American spellings for aluminium, caesium, and sulphur