# **The Periodic Table of the Elements**

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|  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 18 |
| 1 | 1**H**1.0079Hydrogen | 2 |  |  |  |  |  |  |  |  |  |  | 13 | 14 | 15 | 16 | 16 | 2**He**4.0026Helium |
| 2 | 3**Li**6.941Lithium | 4**Be**9.0123Beryllium |  |  |  |  |  |  |  |  |  |  | 5**B**10.81Boron | 6**C**12.011Carbon | 7**N**14.007Nitrogen | 8**O**15.999Oxygen | 9**F**18.998Fluorine | 10**Ne**20.179Neon |
| 3 | 11**Na**22.990Sodium | 12**Mg**24.305Magnesium | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13**Al**26.982Aluminum | 14**Si**28.085Silicon | 15**P**30.974Phosphorus | 16**S**32.06Sulfur | 17**Cl**35.453Chlorine | 18**Ar**39.948Argon |
| 4 | 19**K**39.089Potassium | 20**Ca**40.08Calcium | 21**Sc**44.956Scandium | 22**Ti**47.88Titanium | 23**V**50.942Vanadium | 24**Cr**51.996Chromium | 25**Mn**54.938Manganese | 26**Fe**55.847Iron | 27**Co**58.933Cobalt | 28**Ni**58.69Nickel | 29**Cu**63.546Copper | 30**Zn**65.38Zinc | 31**Ga**69.72Gallium | 32**Ge**72.59Germanium | 33**As**74.92Arsnic | 34**Se**78.96Selenium | 35**Br**79.904Bromine | 36**Kr**83.80Krypton |
| 5 | 37**Rb**85.468Rubidium | 38**Sr**87.62Strontium | 39**Y**88.91Yttrium | 40**Zr**91.224Zirconium | 41**Nb**92.906Niobium | 42**Mo**95.94Molybdenum | 43**Tc**(98)Tecnecium | 44**Ru**101.07Ruthenium | 45**Rh**102.906Rhodium | 46**Pd**106.42Palladium | 47**Ag**107.87Silver | 48**Cd**112.411Cadmium | 49**In**114.82Indium | 50**Sn**118.69Tin | 51**Sb**121.75Antimony | 52**Te**127.60Tellurium | 53**I**126.91Iodine | 54**Xe**131.29Xenon |
| 6 | 55**Cs**132.91Cesium | 56**Ba**137.33Barium | 57**La**138.91Lanthanum | 72**Hf**178.49Hafnium | 73**Ta**180.95Tantalum | 74**W**183.85Tungsten | 75**Re**186.207Rhenium | 76**Os**190.2Osmium | 77**Ir**192.22Iridium | 78**Pt**195.08Platinum | 79**Au**196.97Gold | 80**Hg**200.59Mercury | 81**Tl**204.38Thallium | 82**Pb**207.2Lead | 83**Bi**208.9804Bismuth | 84**Po**(209)Polonium | 85**At**(210)Astatine | 86**Rn**(222)Radon |
| 7 | 87**Fr**(223)Francium | 88**Ra**226.025Radium | 89**Ac**(227)Actinium | 104**Rf**(265.12)Rutherfordium | 105**Db**(268.13)Dubenium | 106**Sg**(271.13)Seaborgium | 107**Bh**(270)Bohrium | 108**Hs**(277.15)Hassium | 109**Mt**(276.15)Meiterium | 110**Ds** (281.16)Darmstadtium | 111**Rg**(280.16)Roentgenium | 112**Cn**(285.17)Copernicium | 113**Nh**(284.18)Nihonium | 114**Fl**(289.19)Flerovium | 115**Mc**(288.19)Moscovium | 116**Lv**(293)Livermorium | 117**Ts**(294)Tennessine | 118**Og**(294)Oganesson |

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| 58**Ce**140.12Cerium | 59**Pr**140.91Praseodymium | 60**Nd**144.24Neodymium | 61**Pm**(145)Promethium | 62**Sm**150.36Samarium | 63**Eu**151.97Europium | 64**Gd**157.25Gadolinium | 65**Tb**158.93Terbium | 66**Dy**162.50Dysporsium | 67**Ho**164.93Holmium | 68**Er**167.26Erbium | 69**Tm**168.93Thulium | 70**Yb**173.04Ytterbium | 71**Lu**174.97Lutetium |
| 90**Th**232.04Thorium | 91**Pa**231.04Protactinium | 92**U**238.03Uranium | 93**Np**(237)Neptunium | 94**Pu**(244)Plutonium | 95**Am**(243)Americium | 96**Cm**(247)Curium | 97**Bk**(247)Berkelium | 98**Cf**(251)Californium | 99**Es**(252)Einsteinium | 100**Fm**(257)Fermium | 101**Md**(258)Mendelevium | 102**No**(259)Nobelium | 103**Lr**(262.11)Lawrencium |