PERIODIC TABLE OF ELEMENTS

| ROH HSO₄ potassium hydroxide . 23e, 26 p, 30 n Zinc (II) sulfate Coulomb (C) HC6H5O CH3C=CCH(CH3)CH2CH3 4-methyl-2-pentanone Li₂SO₄ A pair of non-bonding electrons periods, groups, blocks | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---------------------------------------|---|---|---|--|---|---|--|---|---|--|---|---|--|----------------------------|
| | 1 | 2 | 3 | 4 | I 5 | l 6 | 7 | 8 | l 9 | l 10 | 11 | 12 | l 13 | 14 | 15 | 16 | 17 | l 18 | |
| 1 | 1 H Hydrogen 1.008 | Atomic Symbo Name Weight | | Solid | | Metals | | | | Met | | | Secondary amide Tertiary Pnictogens Chalcogens Halogens | | | | | 2 ² He Helium 4.0026 6 | K L M NO P Q |
| 2 | 3 Li Lithium 6.94 | 4 ² Be Beryllium 9.0122 | H | Liquid Gas | | Alkaline eartr metals Alkali metals | A 11 1 | non- electrons | metals Transition metals | Post-transitio | Other | Noble gases | 5 B Boron 10.81 | 6 [‡] C Carbon 12.011 | 7 N Nitrogen 14.007 | 8 O Oxygen 15.999 | 9 F Fluorine 18.998 | 10 ⁸ Ne Neon 20.180 6 | K L M NO P Q |
| 3 | 11 ² Na Sodium 22.990 | 12 ² / ₂ Mg Magnesium 24.305 | Rf Unknown Reduction Butanoic acid Water ar | | | | | | | ₹ _ < | carbonyl group; | bonyl group; an aldehyde | | 14 ¹ / ₄ Si Silicon 28.085 | 15 P Phosphorus 30.974 | 16 | 17 ² CI Chlorine 35.45 | 18 i Ar Argon 39.948 6 | K L M N O P Q |
| 4 | 19 ¹ Notassium 39.098 | 20 ⁸ / ₂ Ca Calcium 40.078 | 21 Sc Scandiu 44.956 | | 23 V Vanadium 50.942 | 24 13 Cr Chromium 51.996 | 25 13 2 13 2 15 15 15 15 15 15 15 15 15 15 15 15 15 | 26 | 27 Co Cobalt 58.933 | 28 18 18 18 18 18 18 18 18 18 18 18 18 18 | 29 cu Cu Copper 63.546 | 30 the second se | 31 de la constant de | 32 44 Ge Germanium 72.630 | 33 As Arsenic 74.922 | 34 18 8 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 | 35 Br Bromine 79.904 | 36 # Kr Krypton 83.798 & | K M N O P Q |
| 5 | 37 Rb 1 Rubidium 85.468 | 38 18 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 39 Y Yttrium 88.906 | 40 Zr Zirconium 91.224 | 41 Nb Niobium 92.906 | 42 18 Mo 13 Molybdenum 95.95 | 43 18 13 2 2 19 19 19 19 19 19 19 19 19 19 19 19 19 | Ruthenium | 45 Rh The Rhodium 102.91 | 46 Pd Palladium 106.42 | 47 ks | 48 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 49 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 50 \$\frac{2}{8} \frac{2}{8} \f | 51 \$\frac{1}{8}\$ | 52 18 Te Tellurium 127.60 | 53 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 54 | K M N O P Q |
| 6 | 55 8 9 Caesium 132.91 | 56 18 2 2 2 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 | 57–7° | 72 Hf Hafnium 178.49 | 73 Ta Tantalum 180.95 | 74 18 32 12 12 12 183.84 | 75 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 76 18 18 Osmium 190.23 | 77 18 18 32 17 15 15 15 15 15 15 15 15 15 15 15 15 15 | 78 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 79 % % % % % % % % % % % % % % % % % % % | 80 18 18 18 18 18 18 18 18 18 18 18 18 18 | 81 ¹ / ₈ TI ³² / ₉ Thallium 204.38 2 | 82 # # Lead 207.2 • • | 83 18 18 18 18 18 18 18 18 18 18 18 18 18 | 84 18 84 18 96 18 18 18 18 18 18 18 18 18 18 18 18 18 | 85 18 8 18 18 18 18 18 18 18 18 18 18 18 1 | 86 18 88 Radon (222) | K M N O P Q |
| 7 | 87 % % % % % % % % % % % % % % % % % % % | 88 18 18 18 18 18 18 18 18 18 18 18 18 1 | 89–10 | 104 Rf Rutherfordiun (267) | 105 Db 31 Dubnium (268) | 106 18 32 32 Seaborgium (269) | 107 18 8 8 32 Bohrium (270) | 108 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 109 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | 110 18 18 32 17 Darmstadtium (281) | 111 % 8 8 8 32 32 15 18 Roentgenium (282) | 112 18 8 8 32 Cn 32 Copernicium (285) | 113 | 114 | 115 18 32 MC 18 Moscovium (290) | 116 18 8 8 8 18 18 18 18 18 18 18 18 18 18 | 117 18 18 32 18 18 Ts 32 18 18 18 18 18 18 18 18 18 18 18 18 18 | 118 18 18 NO SECOND 18 NO SECON | K L M NOP Q |
| | | | | The root 2,2-dimethylhexanoic acid parent carbon chain name from ending in "e" to ending in "al" Base Barium hydrogen phosphate F, O, H, Si bonds, and the surrounding atoms are not symmetric | | | | | | | | | | | | | | | ricall |
| | 回線回 | Functional group Functional group 0.106M Aluminum oxide To have a full outermost shell compounds do not contain benzene rings, while aromatic Carbon 6.02 * 10 ^ 23 12.04 * 10 ^ 23 [Ar] 3 | | | | | | | | | | | 3d10 | ۱ | | | | | |
| | | | (| 6 Lanthanum 138.91 | Ce | Praseodymium 140.91 | Nd ¹²⁹ Neodymium 144.24 | Promethium (145) | Sm samarium 150.36 | Eu 22 22 22 22 22 22 22 22 22 22 22 22 22 | Gd Gadolinium 157.25 | Tb ²⁷ / ₈ Terbium 158.93 | Dy 28 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Ho Barrell Holmium 164.93 | Er 🖁 | Tm ½ Thulium 168.93 | Yb ³² / ₂ Ytterbium 173.05 | Lutetium 174.97 | |
| | Pta | ble | | 7 Ac Actinium (227) | 90 Th Thorium 232.04 | 91 18 Pa 29 Protactinium 231.04 | 92 18 18 21 19 Uranium 238.03 | 93 18 Np 29 Neptunium (237) | 94 18 20 28 29 29 29 29 29 29 29 29 29 29 29 29 29 | 95 18 32 Americium (243) | 96 88 22 Curium (247) | 97 18 22 28 29 29 29 29 29 29 29 29 29 29 29 29 29 | 98 18 32 32 Californium (251) | 99 18 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29 | 100 18 Fm 18 18 18 18 18 18 18 18 18 18 18 18 18 | 101 18 18 Md 312 Mendelevium (258) | 102 18 No 32 Nobelium (259) | 103 18 Lr 18 24 266) | |