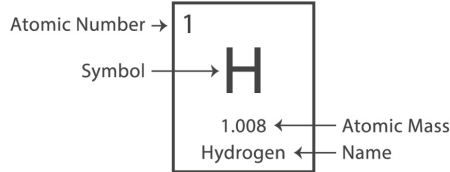


# PERIODIC TABLE OF THE ELEMENTS

1 H 1.008 Hydrogen																	2 He 4.002602 Helium				
3 Li 6.94 Lithium	4 Be 9.0121831 Beryllium															5 B 10.81 Boron	6 C 12.011 Carbon	7 N 14.007 Nitrogen	8 O 15.999 Oxygen	9 F 18.998403163 Fluorine	10 Ne 20.1797 Neon
11 Na 22.98976928 Sodium	12 Mg 24.305 Magnesium															13 Al 26.9815385 Aluminium	14 Si 28.085 Silicon	15 P 30.973761998 Phosphorus	16 S 32.06 Sulfur	17 Cl 35.45 Chlorine	18 Ar 39.948 Argon
19 K 39.0983 Potassium	20 Ca 40.078 Calcium	21 Sc 44.955908 Scandium	22 Ti 47.867 Titanium	23 V 50.9415 Vanadium	24 Cr 51.9961 Chromium	25 Mn 54.938044 Manganese	26 Fe 55.845 Iron	27 Co 58.933194 Cobalt	28 Ni 58.6934 Nickel	29 Cu 63.546 Copper	30 Zn 65.38 Zinc	31 Ga 69.723 Gallium	32 Ge 72.630 Germanium	33 As 74.921595 Arsenic	34 Se 78.971 Selenium	35 Br 79.904 Bromine	36 Kr 83.798 Krypton				
37 Rb 85.4678 Rubidium	38 Sr 87.62 Strontium	39 Y 88.90584 Yttrium	40 Zr 91.224 Zirconium	41 Nb 92.90637 Niobium	42 Mo 95.95 Molybdenum	43 Tc 98 Technetium	44 Ru 101.07 Ruthenium	45 Rh 102.90550 Rhodium	46 Pd 106.42 Palladium	47 Ag 107.8682 Silver	48 Cd 112.414 Cadmium	49 In 114.818 Indium	50 Sn 118.710 Tin	51 Sb 121.760 Antimony	52 Te 127.60 Tellurium	53 I 126.90447 Iodine	54 Xe 131.293 Xenon				
55 Cs 132.90545196 Caesium	56 Ba 137.327 Barium	57/71	72 Hf 178.49 Hafnium	73 Ta 180.94788 Tantalum	74 W 183.84 Tungsten	75 Re 186.207 Rhenium	76 Os 190.23 Osmium	77 Ir 192.217 Iridium	78 Pt 195.084 Platinum	79 Au 196.966569 Gold	80 Hg 200.592 Mercury	81 Tl 204.38 Thallium	82 Pb 207.2 Lead	83 Bi 208.98040 Bismuth	84 Po 209 Polonium	85 At 210 Astatine	86 Rn 222 Radon				
87 Fr 223 Francium	88 Ra 226 Radium	89/103	104 Rf 267 Rutherfordium	105 Db 268 Dubnium	106 Sg 269 Seaborgium	107 Bh 270 Bohrium	108 Hs 269 Hassium	109 Mt 278 Meitnerium	110 Ds 281 Darmstadtium	111 Rg 281 Roentgenium	112 Cn 285 Copernicium	113 Uut 286 Ununtrium	114 Fl 289 Flerovium	115 Uup 289 Ununpentium	116 Lv 293 Livermorium	117 Uus 294 Ununseptium	118 Uuo 294 Ununoctium				
Lanthanide Series		57 La 138.90547 Lanthanum	58 Ce 140.116 Cerium	59 Pr 140.90766 Praseodymium	60 Nd 144.242 Neodymium	61 Pm 145 Promethium	62 Sm 150.36 Samarium	63 Eu 151.964 Europium	64 Gd 157.25 Gadolinium	65 Tb 158.92535 Terbium	66 Dy 162.500 Dysprosium	67 Ho 164.93033 Holmium	68 Er 167.259 Erbium	69 Tm 168.93422 Thulium	70 Yb 173.054 Ytterbium	71 Lu 174.9668 Lutetium					
		Actinide Series		89 Ac 227 Actinium	90 Th 232.0377 Thorium	91 Pa 231.03588 Protactinium	92 U 238.02891 Uranium	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 266 Lawrencium			



cocaine 可卡因

hybridized 杂化

tetrahedral 四面体的

trigonal planar 平面三角形的

linear 线状的

sulphur 硫

covalent 共价的

orbital 轨道

halogen 卤族元素

functional group 官能团

polar 极性

solubility 溶解度

compound 化合物

solvent 溶剂

region 区域，部位

surfactant 表面活性剂

aqueous solution 水溶液

hydrophilic 亲水的

hydrophobic 疏水的

electron-negativity 电负性

antioxidant 抗氧化剂

fat acid 脂肪酸  
fluctuation 起伏，波动  
protonation 质子化  
deprotonaton 去质子化  
alkanes 烷烃  
alkenes 烯烃  
alkynes 炔烃  
aromatic hydrocarbons 芳香烃  
dispersion force 色散力  
gasoline 汽油  
structure formula 结构式  
structure isomer 同分异构体  
cycloalkane 环烷  
saturated 饱和的  
unsaturated 不饱和的  
rotation 旋转  
addition reaction 加成反应  
substitution reaction 取代反应  
nitration 硝化  
substituent 取代基

Nomenclature relevant to carbon molecules in organic molecules	
1- meth	6- hex
2- eth	7- hept
3- prop	8- oct
4- but	9- non
5- pent	10- dec

exothermic 放热反应  
endothermic 吸热反应  
stearate 硬脂酸盐  
overlap 重叠  
cis 同侧的  
trans 反式的  
alcohol 羟基  
ether 醚基  
alkyl halide/haloalkane 卤代烷  
amine 氨基  
aldehyde 醛基  
ketone 酮基  
carboxylic acid 羧基

ester 脂基  
amide 酰胺基  
hydroxyl group 氢氧根  
cholesterol 胆固醇  
methanol 甲醇  
additive 添加剂  
ethanol 乙醇  
beverage 饮料  
ethylene glycol 乙二醇  
antifreeze 防冻剂  
glycerol 甘油/丙三醇  
phenol 苯酚  
topical anesthetic 局部麻醉  
membrane 细胞膜  
gallstone 胆结石  
blood vessel 血管  
dehydration 脱水  
carbonyl 羰基  
acetone 丙酮  
polymer 聚合物  
catalyst 催化剂  
saponification 皂化反应  
derivative 衍生物  
chirality 手性  
optical isomer 光学异构体  
enantiomers 对映异构体  
plane-polarized light 平面偏振光  
stereochemistry 立体化学  
spatially 空间地  
structure isomerism 构造异构  
geometrical isomerism 构型异构  
asymmetric 非对称的  
superimposability 重叠性  
quantitate 定量测数  
plane of symmetry 对称面  
achiral 非手性的  
Fischer projection 费歇尔投影式  
omit 省略

