

CARBON COMPOUNDS

WHAT IS CARBON COMPOUNDS ?

Carbon compounds, also known as organic compounds, are chemical substances that primarily consist of carbon atoms bonded to other elements such as hydrogen, oxygen, nitrogen, sulfur, and halogens.

WHAT ARE THE TYPES OF CARBON COMPOUNDS ?

Alkanes, Alkenes, Alkynes, Aromatic Compounds, Alcohols, Carboxylic Acids, Esters, Ketones, Amines, Ethers

WHAT IS THE SIMPLEST ALKENE?

Ethene because it consists of two carbon atoms joined by a double bond with four hydrogen atoms attached (chemical formula: C₂H₄).

# of C's	1	CH ₄	Formula	methane
2	2	C ₂ H ₆		ethane
3	3	C ₃ H ₈		propane
4	4	C ₄ H ₁₀		butane
5	5	C ₅ H ₁₂		pentane
6	6	C ₆ H ₁₄		hexane
7	7	C ₇ H ₁₆		heptane
8	8	C ₈ H ₁₈		octane
9	9	C ₉ H ₂₀		nonane
10	10	C ₁₀ H ₂₂		decane

THIS ARE THE LIST OF ALKANES !

- Meth-" for 1 carbon atom
- "Eth-" for 2 carbon atoms
- "Prop-" for 3 carbon atoms
- "But-" for 4 carbon atoms
- "Pent-" for 5 carbon atoms
- "Hex-" for 6 carbon atoms
- "Hept-" for 7 carbon atoms
- "Oct-" for 8 carbon atoms
- "Non-" for 9 carbon atoms
- "Dec-" for 10 carbon atoms

CARBON COMPOUNDS THAT IS KNOWN AS THE SIMPLEST ALCOHOL ?

- Methanol's chemical formula is CH₃OH. It consists of a methyl group (CH₃) attached to a hydroxyl group (-OH), which is characteristic of alcohols.

WHICH CARBON COMPOUND IS COMMONLY USED AS A FUEL IN GAS LIGHTERS

Butane

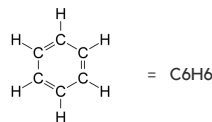
WHICH CARBON COMPOUND IS A PRIMARY COMPONENT OF NATURAL GAS?

Methane

WHAT IS THE COMMON NAME FOR ETHYNE

Acetylene

WHAT IS THE MOLECULAR FORMULA OF BENZENE?

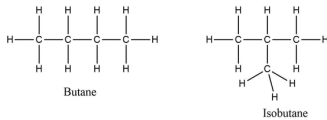


WHAT IS THE IUPAC NAME FOR ACETIC ACID? ETHANOIC ACID

Ethanoic acid

WHICH OF THE FOLLOWING IS A CORRECT EXAMPLE OF AN ISOMER?

Butane and iso-butane are isomers. This is because they have the same molecular formula (C₄H₁₀) but different structures.



HOW TO CATEGORIZED SATURATES HYDROCARBON OR NOT ?

Each carbon atom holds the maximum number of hydrogen atoms possible

WHICH ELEMENT IS NOT TYPICALLY BONDED TO CARBON IN ORGANIC COMPOUNDS?

Helium

WHAT IS THE GENERAL NAME GIVEN TO COMPOUNDS WITH THE FORMULA CN H2N-1 OH?

Alcohols

WHICH CARBON COMPOUND IS USED AS A COMMON SOLVENT AND IS KNOWN AS ACETONE?

Propanone