

Question

The earliest nomenclature of the organic compounds were based on?

Answer

Their origin or properties

Question

An aromatic compound which contained side chain hydroxyl group is called?

Answer

Phenol

Question

In alcohol in which the oxygen atom is replaced by a sulphur atom is called?

Answer

Thiol

Question

Depending on the number of alkyl group attached to the nitrogen atom, the amines are classified as?

Answer

Primary, secondary and tertiary amines

Question

When a compound has carbon-nitrogen triple bond it is called?

Answer

Nitrile

Question

When a compound has carbon-nitrogen double bond it is called?

Answer

Imine

Question

When a compound has a carbon-nitrogen single bond it is called?

Answer

amine

Question

Benzene is an example of which type of hydrocarbon?

Answer

Aromatic hydrocarbon

Question

The hydrocarbons are broadly classified into___?

Answer

Aliphatic, alicyclic and aromatic

Question

A functional group can be defined as?

Answer

An atom or group of atoms in a molecule which exhibit a characteristic chemical properties

Question

The saturated hydrocarbons contain the carbon and hydrogen atoms linked to each other by single bonds and are called _____.

Answer

Alkanes

Question

The _____ provide a backbone to which various functional groups may be attached to yield an enormous variety of organic compounds.

Answer

Isomers

Question

_____are the compounds that have identical molecular formulas but differ in the ways in which the atoms are bonded to each other.

Answer

Isomers

Question

Compounds that differ from each other in their molecular formulas by the unit $-CH_2-$ are called members of a _____ series.

Answer

Homologous

Question

In allene the central atom is----- hybridized and the terminal atoms are ----- hybridized

Answer

Sp, sp^2

Question

The addition of ozone to an alkyne produces _____.

Answer

Ozonide

Question

The reaction between an alkyl halide and sodium metal to form an alkane is called _____ reaction.

Answer

Wurtz

Question

A benzene ring with a methyl group at position one and nitro group at position three is _____

Answer

p-nitrotoluene

Question

The first product in fractionation of petroleum is called _____.

Answer

Natural gas

Question

Increase in number of carbon atoms results in the following effects EXCEPT _____.

Answer

Melting point increases

Question

A catalyst mixed with a selective inhibiting agent is called _____ catalyst.

Answer

Poisoned

Question

Reactions that lead to the attachment of an alkyl group to a molecular fragment are called _____.

Answer

alkylation

Question

In the _____ alkynes, the triple bond lies at the end of the carbon chain.

Answer

terminal

Question

Hydrocarbons can be classified as _____.

Answer

aliphatic, alicyclic, aromatic

Question

_____ best describes the functional group of an alkene.

Answer

C=C

Question

_____ can be defined as an atom or group of atoms in a molecule which exhibits characteristic chemical properties

Answer

functional group

Question

Addition of ethyne to sodamide in ether yields sodium ethynide and one of the following compounds

Answer

ammonia

Question

All but one of these is involved in alkylation

Answer

Diels-Alder reagent

Question

One of the statements is not true of dienes.

Answer

divided into two main classes depending on the relative positions of the two double bonds in the molecule:

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One of these statements is not true

Answer

Alkanes burn in excess of air or oxygen to give carbonmonoxide and water

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