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Hydrocarbons make up fossil fuels. One of the main by-products of fossil fuel combustion is carbon dioxide (CO₂). The ever-increasing use of fossil fuels in industry, transportation, and construction has added large amounts of CO₂ to Earth's atmosphere. Atmospheric

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CO₂ concentrations fluctuated between 275 and 290 parts per million by volume (ppmv) of dry air between 1000 CE and the late ...

hydrocarbon | Definition, Types, & Facts | Britannica

Check the below NCERT MCQ Questions for Class 11 Chemistry Chapter 13

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MCQ Questions for Class 11 Chemistry Chapter 13 ...

temperature and pressure. These hydrocarbons are commonly known as fossil fuels. Oceans: The Earth's oceans contain 38,000 PgC, most of which is in the form of dissolved inorganic carbon stored at great depths where it resides for long periods of time. A much smaller

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amount of carbon, approximately 1,000 Pg, is located near the ocean surface ...

A INTRODUCTION TO THE GLOBAL CARBON C

When aromatic hydrocarbons undergo coupling reactions, the following type of bonds can be formed. Carbon-carbon bonds can be formed from the coupling

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reactions of arenes and products such as vinyl arenes, alkyl arenes, etc. are formed. The formation of carbon-oxygen bonds can occur in these reactions, forming aryloxy compounds.

Aromatic Hydrocarbons - Definition, Examples, Properties ...

Carbon is the fourth most abundant

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element in the universe. This post will take you through some of the common uses of carbon in the world today. Uses of Carbon. The major use of carbon is in the form of hydrocarbons, mainly methane gas and crude oil. Crude oil is used to make gasoline and kerosene through distillation.

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Uses of Carbon - Want to Know it? Answers to life's questions

What is the homologous series of Hydrocarbons What do you mean by homologous series? Homologous series Organic compounds are grouped into different homologous series. Alkanes form a homologous series and so do alkenes. A homologous series is a group

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or family of organic compounds that has certain characteristics: (a) Members of the series can [...]

What is the homologous series of hydrocarbons? - A Plus Topper

Carbon, chemical element that forms more compounds than all the other elements combined. Carbon is widely

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distributed in coal and in the compounds that make up petroleum, natural gas, and plant and animal tissue. The carbon cycle is one of the most important of all biological processes.

carbon | Facts, Uses, & Properties | Britannica

The tables and figures below show how

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the melting point changes with increasing carbon number up to C 33 for different kinds of hydrocarbons, alcohols and carboxylic acids. More detailed definitions and examples of molecular structures of the different classes of organic compounds are given below the figures.. Melting point - the temperature at which a solid turns into a liquid

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Melting points of hydrocarbons, alcohols and acids

Carbon does this very well because of its ability to form bonds with other neighbouring carbon atoms - something called catenation. The way in which carbon atoms are connected to each other makes a big difference to the

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physical, chemical and electronic properties of the material.

Allotropes of carbon | Feature | RSC Education

Beyond the U.S., new evidence suggests natural gas use is growing so fast globally that the rise in carbon dioxide emissions from gas has eclipsed the

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decline in emissions from coal. And that's ...

Is Natural Gas Really Helping the U.S. Cut Emissions ...

Question with Answers- Lipids A. The structures of different types of lipids are studied and compared. (Questions 1-8)

1. _____ Which of the following molecules

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is a typical fatty acid? a) A molecule that has an even number of carbon atoms in a branched chain. b) An amphipathic dicarboxylic acid with unconjugated double bonds.

Questions with Answers- Lipids

What is an sp^3 Hybridized Carbon atom.
 sp^3 Hybridisation. In the excited carbon

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atom its one s-orbital (2s) and three p-orbitals (2p x, 2p y, 2p z) intermix and reshuffle into four identical orbitals known as sp³ orbitals. Thus, carbon atom undergoes sp³ hybridisation. The four electrons enter into the new four identical hybrid orbitals known as sp³ hybrid orbitals one each as per Hund ...

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What is an sp^3 Hybridized Carbon atom - A Plus Topper

Cost plunges for capturing carbon dioxide from the air. By Robert F. Service Jun. 7, 2018 , 11:25 AM. Pulling carbon dioxide (CO_2) from the air and using it to make synthetic fuel seems like the ...

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Cost plunges for capturing carbon dioxide from the air ...

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you to revise complete Syllabus and Score More marks.

NCERT Solutions for Class 11 Chemistry Chapter 13 Hydrocarbons

In the figures, the AIT and FP are shown as function of number of carbon atoms in the hydrocarbons, which are grouped as n-alkanes, 1-alkenes,

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2-methylalkanes, 3-methylalkanes, 2,2-dimethylalkanes, 2-methylalkenes, cycloalkanes, alkylcyclohexanes, cycloalkenes, alkylbenzenes and alkylnaphthalenes.

Autoignition Temperatures and Flash Points for Hydrocarbons

Hydrocarbons can be described as

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compounds which consist of entirely carbon and hydrogen. For students who wish to do well in their class 11 exams must go through the CBSE Important Questions for Class 11 Chemistry Chapter 13 Hydrocarbons. By practising these questions, they will understand the topics of this chapter easily.

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Hydrocarbons - Class 11 - Important Questions | Chemistry

3. Lean Fuel Mixture - Any condition which will cause unmetered air to enter the intake manifold, and ultimately the combustion chambers, will cause high hydrocarbons (HC). This condition is called a lean miss-fire. Such faults as vacuum leaks and gasket leaks will

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cause lean fuel/air mixtures. Broken, disconnected or misrouted vacuum hoses will do the same.

What causes high HC. What causes high Hydrocarbon ...

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Control Techniques for Carbon Monoxide Emissions

5. Environmental Effects and Tradeoffs of Biofuels. Petroleum extraction, transport, refining, and combustion have many known negative environmental effects, including disruption of sensitive ecological habitats and high greenhouse-

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gas (GHG) emissions. Biofuels, too, have their environmental costs (NRC, 2003, 2010a), but displacing petroleum-based fuels with biofuels can reduce the nation's ...

5 Environmental Effects and Tradeoffs of Biofuels ...

There are other possibilities as well for

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this same molecular formula - for example, you could have a carbon-carbon double bond (an alkene) and an -OH group (an alcohol) in the same molecule. Another common example is illustrated by the molecular formula $C_3H_6O_2$. Amongst the several structural isomers of this are propanoic acid (a ...

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