HYDROCARBONS



Hydrocarbon Compounds

Hydrocarbon compounds are compounds that consist only of carbon and hydrogen atoms. Hydrocarbons can be divided into 2, namely:

a. Saturated Hydrocarbons: single bonds

including saturated hydrocarbons:

- Alkane: open chain (C_nH_{2n+2})
- a Cycloalkane : closed chain (C_nH_{≥n})

b. Unsaturated Hydrocarbons: double bonds

- Alkene : double bond (C_nH_{2n})
- Alkyne : triple bond (C_nH_{2n-2})
- Alkadiene : two double bonds (C_nH_{2n-2})



Nomenclature of Alkanes

The nomenclature of alkanes is the basis for the nomenclature of other carbon compounds. Therefore the nomenclature of alkanes must be thoroughly understood.

Here are the names of askanes from C1-C10:

Formula	Name	Formula	Name
CH4	methane	C6H14	hexane
C ₂ H ₆	ethane	C7H16	heptane
C ₃ H ₈	propane	C ₈ H ₁₈	octane
C4H10	butane	C9H20	nonane
C ₅ H ₁₂	pentane	C ₁₀ H ₂₂	decane

Atkene names :

 C_2H_4 = ethylene

 C_3H_6 = propene

Hydrocarbon Study Guide For Content Mastery Answers

RJ Shavelson

Hydrocarbon Study Guide For Content Mastery Answers:

This book delves into Hydrocarbon Study Guide For Content Mastery Answers. Hydrocarbon Study Guide For Content Mastery Answers is a crucial topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Hydrocarbon Study Guide For Content Mastery Answers, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
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 - Chapter 2: Essential Elements of Hydrocarbon Study Guide For Content Mastery Answers
 - o Chapter 3: Hydrocarbon Study Guide For Content Mastery Answers in Everyday Life
 - Chapter 4: Hydrocarbon Study Guide For Content Mastery Answers in Specific Contexts
 - ∘ Chapter 5: Conclusion
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