

CHAPTER 21 STUDY GUIDE

Hydrocarbons

Section 21.1 Introduction to Hydrocarbons

In your textbook, read about natural sources of hydrocarbons and rating gasoline.

In the space at the left, write the word or phrase in parentheses that correctly completes the statement.

- _____ 1. (Petroleum, Natural gas) is a mixture of thousands of organic compounds.
- _____ 2. The boiling of petroleum and collection of its components is called (sedimentation, fractional distillation).
- _____ 3. In the process known as (cracking, knocking), heavier petroleum fractions are converted to gasoline by breaking their large molecules into smaller ones.
- _____ 4. A gasoline's ability to burn evenly and prevent knocking is expressed by its (hexane, octane) rating.

Use the diagram of a fractionation tower to answer the following questions.



5. How does the temperature inside the tower vary from bottom to top?

6. In what physical state is the material collected from pipe A? _____
7. What is the material collected from pipe A used for?

8. What is the material collected from pipe B used for?

9. Which pipe, A or B, collects hydrocarbons with higher boiling points? _____
10. Which pipe, A or B, collects smaller hydrocarbons? _____

Hydrocarbons Chemistry Study Guide Answers

M Walker



Hydrocarbons Chemistry Study Guide Answers:

Enjoying the Beat of Phrase: An Psychological Symphony within **Hydrocarbons Chemistry Study Guide Answers**

In a world used by monitors and the ceaseless chatter of immediate communication, the melodic splendor and mental symphony created by the prepared word usually diminish into the back ground, eclipsed by the relentless noise and distractions that permeate our lives. But, located within the pages of **Hydrocarbons Chemistry Study Guide Answers** an enchanting fictional prize filled with raw emotions, lies an immersive symphony waiting to be embraced. Constructed by an outstanding musician of language, this fascinating masterpiece conducts viewers on a psychological trip, skillfully unraveling the hidden melodies and profound affect resonating within each carefully constructed phrase. Within the depths with this emotional analysis, we shall explore the book is main harmonies, analyze its enthralling writing style, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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