

CHAPTER **21** STUDY GUIDE

# Hydrocarbons

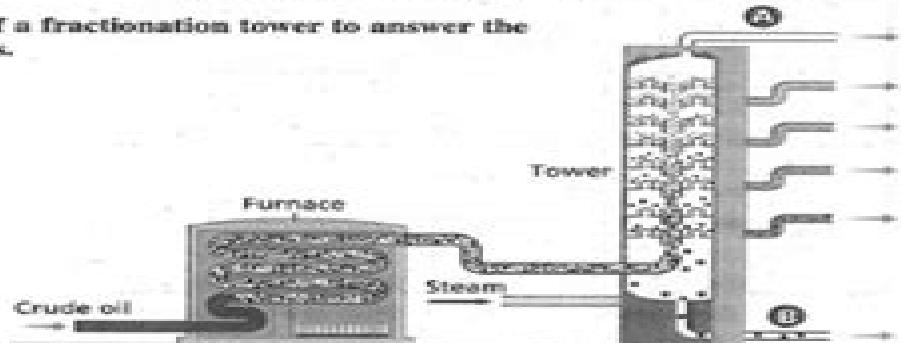
## Section 21.1 Introduction to Hydrocarbons

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? \_\_\_\_\_

# Chemistry Hydrocarbons Study Guide Answer Key

**John Krenos, Joseph Potenza, Loretta  
Jones, Lynn Koplitz, Thomas Spence**

## Chemistry Hydrocarbons Study Guide Answer Key:

[Chemical Principles Study Guide/Solutions Manual](#) John Krenos, Joseph Potenza, Carl Hoeger, 2007-01-18 Written for general chemistry courses Chemical Principles helps students develop chemical insight by showing the connection between chemical principles and their applications **Chemical Principles Student's Study Guide & Solutions Manual** John Krenos, Joseph Potenza, Loretta Jones, Lynn Koplitz, Thomas Spence, 2004-03-19 This combination manual is designed to help students avoid common mistakes and understand the material better The solutions manual section includes detailed answers and explanations to the odd numbered exercises in the text [Class 10 Chemistry Questions and Answers PDF](#) Arshad Iqbal, The Class 10 Chemistry Quiz Questions and Answers PDF Grade 10 Chemistry Competitive Exam Questions Chapter 1 10 Practice Tests Class 10 Chemistry Textbook Questions for Beginners includes revision guide for problem solving with hundreds of solved questions Class 10 Chemistry Questions and Answers PDF book covers basic concepts analytical and practical assessment tests Class 10 Chemistry Quiz PDF book helps to practice test questions from exam prep notes The Grade 10 Chemistry Quiz Questions and Answers PDF eBook includes revision guide with verbal quantitative and analytical past papers solved tests Class 10 Chemistry Questions and Answers PDF Free download chapter 1 a book covers solved common questions and answers on chapters Acids bases and salts biochemistry characteristics of acids bases and salts chemical equilibrium chemical industries environmental chemistry atmosphere water hydrocarbons and organic chemistry tests for school and college revision guide Chemistry Interview Questions and Answers PDF Download free eBook s sample covers beginner s solved questions textbook s study notes to practice online tests The Class 10 Chemistry Interview Questions Chapter 1 10 PDF book includes high school question papers to review practice tests for exams Class 10 Chemistry Practice Tests a textbook s revision guide with chapters tests for NEET MCAT GRE GMAT SAT ACT competitive exam 10th Grade Chemistry Questions Bank Chapter 1 10 PDF book covers problem solving exam tests from chemistry textbook and practical eBook chapter wise as Chapter 1 Acids Bases and Salts Questions Chapter 2 Biochemistry Questions Chapter 3 Characteristics of Acids Bases and Salts Questions Chapter 4 Chemical Equilibrium Questions Chapter 5 Chemical Industries Questions Chapter 6 Environmental Chemistry I Atmosphere Questions Chapter 7 Environmental Chemistry II Water Questions Chapter 8 Hydrocarbons Questions Chapter 9 Organic Chemistry Questions Chapter 10 Atmosphere Questions The Acids Bases and Salts Quiz Questions PDF e Book Chapter 1 interview questions and answers on acids and bases concepts Bronsted concept of acids and bases pH scale and salts The Biochemistry Quiz Questions PDF e Book Chapter 2 interview questions and answers on Alcohols carbohydrates DNA structure glucose importance of vitamin lipids maltose monosaccharide nucleic acids proteins RNA types of vitamin vitamin and characteristics vitamin and functions vitamin and mineral vitamin deficiency vitamin facts vitamins vitamins and supplements The Characteristics of Acids Bases and Salts Quiz Questions PDF e Book Chapter 3 interview questions and answers on Concepts of acids and bases pH measurements salts

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