

3 • Organic Chemistry**UNIT TEST • PRACTICE**

- You may use a pencil, eraser, and scientific calculator to complete the test. No other resources are allowed.
- You have fifty (50) minutes to complete this test, unless other arrangements have been made.
- Please transfer your answers for Matching and Multiple Choice questions onto the Answer Document. Work for the Matching and Multiple Choice questions will not be graded. However, sufficient and appropriate work must be shown for the Free Response questions in order to receive full credit.

SECTION 1: MATCHING. Use the following answer choices that best match each description. Answer choices may be used once, more than once, or not at all. (1 point each)

Questions 1-6:

- (A) Alkanes only
- (B) Alkenes only
- (C) Alkynes only
- (D) Both alkenes and alkynes

1. Have a molecular formula C_4H_8 .
2. Have *cis-trans*- isomers.
3. Can rotate around C–C bond.
4. Have a triple bond in the main carbon chain.
5. Have an H–C–C bond angle of 120° .
6. C_4H_8 is an example.
7. Are considered "saturated" hydrocarbons.

Questions 7-12:

- (A) Ketone
- (B) Amine
- (C) Carboxylic Acid
- (D) Ether

8. Has a carbon bonded to a nitrogen.
9. Has a sour taste.
10. Acetone, or nail polish remover, is an example.
11. Has a carbon that is bonded to oxygen only with a double bond.
12. Has an oxygen single bonded to two carbons.
13. Vinegar is an example.

SECTION 2: MULTIPLE CHOICE. Select the best answer choice for each question. (2 points each)

14. Which of the following elements has a bonding capacity of 2?
 - (A) Oxygen
 - (B) Hydrogen
 - (C) Carbon
 - (D) Chlorine

15. Structural formulas differ from molecular formulas in that they show
 - (A) The arrangement of atoms.
 - (B) The bond angles in the molecule.
 - (C) The elements that make up the compound.
 - (D) The number of each element present.

Chemistry Unit Test Practice

Earl Rouse Glenn, Louis E. Welton



Chemistry Unit Test Practice:

NEET Chemistry - Unit wise Practice Test Papers Career Point Kota, 2020-07-20 Competitive examination preparation takes enormous efforts time on the part of a student to learn practice and master each unit of the syllabus To check proficiency level in each unit student must take self assessment to identify his her weak areas to work upon that eventually builds confidence to win Also performance of a student in exam improves significantly if student is familiar with the exact nature type and difficulty level of the questions being asked in the Exam With this objective in mind we are presenting before you this book containing unit tests Some features of the books are The complete syllabus is divided into logical units and there is a self assessment tests for each unit Tests are prepared by subject experts who have decade of experience to prepare students for competitive exams Tests are as per the latest pattern of the examination Detailed explanatory solution of each test paper is also given Student is advised to attempt these Tests once they complete the preparation revision of unit They should attempt these Test in exam like environment in a specified time Student is advised to properly analyze the solutions and think of alternative methods and linkage to the solutions of identical problems also We firmly believe that the book in this form will definitely help a genuine hardworking student We have put our best efforts to make this book error free still there may be some errors We would appreciate if the same is brought to our notice We wish to utilize the opportunity to place on record our special thanks to all faculty members and editorial team for their efforts to make this book

Instructional Tests in Chemistry Earl Rouse Glenn, Louis E. Welton, 1929 ISC Biology Book-II For Class-XII Dr. P.S. Verma, Well labelled illustrations diagrams tables figures and experiments have been given to support the text wherever necessary Educational Research Document Summaries Educational Research Information Center (U.S.), 1966

Scientific Methods in Educational Technology Dr. Anita Sharma, 2022-01-16 Scientific Methods in Educational Technology Technology provides tools to try out different designs so that instead of theories of education we may begin to develop a science of education But it cannot be an analytic science like physics or psychology rather it must be a design science more like aeronautics or artificial intelligence For example in aeronautics the goal is to elucidate how different designs contribute to lift drag maneuverability etc Similarly a design science of education must determine how different designs of learning environments contribute to learning cooperation motivation etc Educational technologists would not therefore consider the computer as just another piece of equipment If educational technology is concerned with thinking carefully about teaching and learning then a computer has a contribution to make irrespective of its use as a means of implementation for the design of computer based learning environments gives us a new perspective on the nature of teaching and learning and indeed on general educational objectives Even from a pure engineering perspective it doesn't make much sense to talk about Educational Technology just in terms of Instructional design models or instructional design methods An instructional designer also feels concerned by more fundamental disciplines like general learning theory or pedagogical

theory These theories provide interesting insights on issues like the relation between learning type or learning level and appropriate pedagogic strategy how effect and motivation may influence the learning process what multimedia design can learn from theories on human information processing or cognitive load why metacognition and collaborative learning is important etc The book will be of use to the students researchers and general readers of this subject Contents Education International Education Teacher Education and School Counselor Role of Self Activity Educational Projects Practices and Global Partnerships A Comparative Studies Perspective Hypermedia Development Methodology The Technology in Education On line Technology Integration Challenges and Opportunities Test Development JEE Main Chemistry - Unit wise Practice Test Papers Career Point Kota,2020-07-19 Competitive examination preparation takes enormous efforts time on the part of a student to learn practice and master each unit of the syllabus To check proficiency level in each unit student must take self assessment to identify his her weak areas to work upon that eventually builds confidence to win Also performance of a student in exam improves significantly if student is familiar with the exact nature type and difficulty level of the questions being asked in the Exam With this objective in mind we are presenting before you this book containing unit tests Some features of the books are The complete syllabus is divided into logical units and there is a self assessment tests for each unit Tests are prepared by subject experts who have decade of experience to prepare students for competitive exams Tests are as per the latest pattern of the examination Detailed explanatory solution of each test paper is also given Student is advised to attempt these Tests once they complete the preparation revision of unit They should attempt these Test in exam like environment in a specified time Student is advised to properly analyze the solutions and think of alternative methods and linkage to the solutions of identical problems also We firmly believe that the book in this form will definitely help a genuine hardworking student We have put our best efforts to make this book error free still there may be some errors We would appreciate if the same is brought to our notice We wish to utilize the opportunity to place on record our special thanks to all faculty members and editorial team for their efforts to make this book Resources in Education ,1967-07 **Research in Education** ,1966 *Chemists' Guide to Effective Teaching* Norbert J. Pienta,Melanie M. Cooper,Thomas J. Greenbowe,2005 Part of the Prentice Hall Series in Educational Innovation for Chemistry this unique book is a collection of information examples and references on learning theory teaching methods and pedagogical issues related to teaching chemistry to college students In the last several years there has been considerable activity and research in chemical education and the materials in this book integrate the latest developments in chemistry Each chapter is written by a chemist who has some expertise in the specific technique discussed has done some research on the technique and has applied the technique in a chemistry course *Source Book for Chemistry Teachers* William Thomas Lippincott,1981 Educational Tests for Use in High Schools Walter Scott Monroe,1929 **Catalogue of Title-entries of Books and Other Articles Entered in the Office of the Librarian of Congress, at Washington, Under the Copyright Law ... Wherein the Copyright Has Been**

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