



NATIONAL
SENIOR CERTIFICATE

GRADE 11

NOVEMBER 2020

PHYSICAL SCIENCES P2
(CHEMISTRY)
EXEMPLAR

MARKS: 100
TIME: 1 hour



The question paper consists of 10 pages, including 4 extra sheets.
Use blue or black ink for writing. Do not use correction fluid.

QUESTION 3

PHYSICAL SCIENCES PAPER 2

INTERMOLECULAR FORCES

GRADE 11

NOVEMBER 2020

Examiner's use: _____ Physical Sciences P2

QUESTION 3 starts on a NEW page.

3.1 The boiling points in the table below were obtained during an investigation carried out to measure the boiling points of pure 1-hexanol. The table also lists the ΔH_{vap} and ΔH_{fusion} for 1-hexanol in kJ mol⁻¹ and 1 mol of 1-hexanol.

Compound	Molecular mass (M _r)	Boiling point (°C)
A	102	16,2
B	102	21

- 3.1.1 Define the term boiling point. (2)
- 3.1.2 Is pure 1-hexanol only composed of A and B? or A, B and C? or all of them present? (2)
- 3.1.3 Name the type of intermolecular force that exists between molecules of both compounds A and B and is the prime reason of their volatility. (2)
- 3.1.4 What factor of the compounds A and B is responsible for compound A having a higher boiling point? (2)
- 3.1.5 What compound (A or B) will have the higher vapour pressure? (2)
- 3.1.6 What compound (A or B) will have the higher surface tension? (2)

Compound C (M_r 102) will show in the table, has a smaller molecular mass than both compounds A and B but has a relatively higher boiling point of 16,2 °C.

- 3.1.6 Explain why the boiling point of compound C is 16,2 °C (higher than that of compound A and B) by referring to the ΔH_{vap} and intermolecular or intramolecular forces involved. (2)

3.2 Substances D and E are shown in their condensed states. Substances D and E are both 1-hexanol but show no change in the diagram below.



- 3.2.1 Is substance D or E or both, not the same substance? (2)
- 3.2.2 Explain the process in QUESTION 3.1.1 about the volatility in the intermolecular forces involved. (2)

Copyright reserved

Page 10 of 10

Physical Science Paper 2 Intermolecular Forces Investigation

Shasha Hu

A decorative graphic element consisting of a light blue horizontal bar with a rounded right end, and a red circular shape with a gradient, partially obscured by the bar, positioned to the right of the bar.

Physical Science Paper 2 Intermolecular Forces Investigation:

Study Guide for CTET Paper 2 (Class 6 - 8 Teachers) Mathematics/ Science with Past Questions Disha

Experts,2020-02-04 *Proceedings of the Royal Society. Section A, Mathematical and Physical Science* Royal Society (Great Britain),1908 *Educart 30 CUET UG 2024 Science Mock Papers of Physics + Chemistry + Mathematics (Section II, new NTA syllabus)* Educart,Bharat Panchal,Abhishek Sahu,2024-06-17 What You Get 10 subject wise Solved Previous Year Papers20 Mock Test Papers Educart NTA Science CUET Mock Papers Physics Chemistry and Mathematics Based on NTA CUET UG Syllabus released on 29th February 2024Includes 3 Solved CUET Previous Year Papers per subjectIncludes 3 CUET Practice Papers per subjectIncludes OMR Sheets for Offline Exam Practice Why choose this book Authored by renowned YouTubers Bharat Panchal and Abhishek Sahu SirFirst CUET book that covers additional topics that are not taught in Class 12 *Educart 30 CUET UG 2024 Science Mock Papers of Physics + Chemistry + Biology (Section II, new NTA syllabus)* Educart,Bharat Panchal,Abhishek Sahu,2024-06-17 What You Get 10 subject wise Solved Previous Year Papers20 Mock Test Papers Educart NTA Science CUET Mock Papers Physics Chemistry and Biology Based on NTA CUET UG Syllabus released on 29th February 2024Includes 3 Solved CUET Previous Year Papers per subjectIncludes 3 CUET Practice Papers per subjectIncludes OMR Sheets for Offline Exam Practice Why choose this book Authored by renowned YouTubers Bharat Panchal and Abhishek Sahu SirFirst CUET book that covers additional topics that are not taught in Class 12

Research in Education ,1972 *Investigating Chemistry* Matthew Johll,2006-03-17 Matthew Johll s book introduces students from a non science background to the fundamentals of chemistry through an array of examples and applications from real life crime scenes Sherlock Holmes stories and authentic accounts of drug deals murders and thefts

U.S. Government Research & Development Reports ,1970 *Energy Research Abstracts* ,1990 *Physics Briefs* ,1992 *Journal of Research of the National Bureau of Standards* United States. National Bureau of Standards,1951 *Scientific and Technical Aerospace Reports* ,1995 *Nuclear Science Abstracts* ,1971 *Sir James Dewar, 1842-1923* J.S. Rowlinson,2016-03-09 Sir James Dewar was a major figure in British chemistry for around 40 years He held the posts of Jacksonian Professor of Natural Philosophy at Cambridge 1875 1923 and Fullerian Professor of Chemistry at the Royal Institution 1877 1923 and is remembered principally for his efforts to liquefy hydrogen successfully in the field that would come to be known as cryogenics His experiments in this field led him to develop the vacuum flask now more commonly known as the thermos and in 1898 he was the first person to successfully liquefy hydrogen A man of many interests he was also with Frederick Abel the inventor of explosive cordite an achievement that involved him in a major legal battle with Alfred Nobel Indeed Dewar s career saw him involved in a number of public quarrels with fellow scientists he was a fierce and sometimes unscrupulous defender of his rights and his claims to priority in a way that throws much light on the scientific spirit and practice of his day This the first scholarly biography of Dewar seeks to resurrect and reinterpret a man who was a giant of his time but is now

sadly overlooked In so doing the book will shed much new light on the scientific culture of the late nineteenth and early twentieth centuries and the development of the field of chemistry in Britain

U.S. Government Research & Development Reports ,1970-04 Resources in Education ,1972-10 Journal of Research of the National Bureau of Standards ,1963 **High-Performance Computing Infrastructure for South East Europe's Research Communities**

Mihnea Dulea,Aneta Karaivanova,Anastasis Oulas,Ioannis Liabotis,Danica Stojiljkovic,Ognjen Prnjat,2013-08-13 This book is a collection of carefully reviewed papers presented during the HP SEE User Forum the meeting of the High Performance Computing Infrastructure for South East Europe s HP SEE Research Communities held in October 17 19 2012 in Belgrade Serbia HP SEE aims at supporting and integrating regional HPC infrastructures implementing solutions for HPC in the region and making HPC resources available to research communities in SEE region which are working in a number of scientific fields with specific needs for massively parallel execution on powerful computing resources HP SEE brings together research communities and HPC operators from 14 different countries and enables them to share HPC facilities software tools data and research results thus fostering collaboration and strengthening the regional and national human network the project specifically supports research groups in the areas of computational physics computational chemistry and the life sciences The contributions presented in this book are organized in four main sections computational physics computational chemistry the life sciences and scientific computing and HPC operations The Chemical News and Journal of Physical Science ,1914 *Advances in Gram-Negative Oxygenic Photosynthetic Bacteria Research and Application: 2012 Edition* ,2012-12-26 *Advances in Gram Negative Oxygenic Photosynthetic Bacteria Research and Application 2012 Edition* is a ScholarlyBrief that delivers timely authoritative comprehensive and specialized information about Gram Negative Oxygenic Photosynthetic B in a concise format The editors have built *Advances in Gram Negative Oxygenic Photosynthetic Bacteria Research and Application 2012 Edition* on the vast information databases of ScholarlyNews You can expect the information about Gram Negative Oxygenic Photosynthetic B in this eBook to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant The content of *Advances in Gram Negative Oxygenic Photosynthetic Bacteria Research and Application 2012 Edition* has been produced by the world s leading scientists engineers analysts research institutions and companies All of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at ScholarlyEditions and available exclusively from us You now have a source you can cite with authority confidence and credibility More information is available at <http://www.ScholarlyEditions.com>

Chemical News and Journal of Physical Science ,1914

Discover tales of courage and bravery in Explore Bravery with is empowering ebook, **Physical Science Paper 2 Intermolecular Forces Investigation** . In a downloadable PDF format (*), this collection inspires and motivates. Download now to witness the indomitable spirit of those who dared to be brave.

https://crm.avenza.com/data/virtual-library/index.jsp/scope_of_english_paper_grade_12.pdf

Table of Contents Physical Science Paper 2 Intermolecular Forces Investigation

1. Understanding the eBook Physical Science Paper 2 Intermolecular Forces Investigation
 - The Rise of Digital Reading Physical Science Paper 2 Intermolecular Forces Investigation
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paper 2 Intermolecular Forces Investigation
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Physical Science Paper 2 Intermolecular Forces Investigation
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paper 2 Intermolecular Forces Investigation
 - Personalized Recommendations
 - Physical Science Paper 2 Intermolecular Forces Investigation User Reviews and Ratings
 - Physical Science Paper 2 Intermolecular Forces Investigation and Bestseller Lists
5. Accessing Physical Science Paper 2 Intermolecular Forces Investigation Free and Paid eBooks
 - Physical Science Paper 2 Intermolecular Forces Investigation Public Domain eBooks
 - Physical Science Paper 2 Intermolecular Forces Investigation eBook Subscription Services
 - Physical Science Paper 2 Intermolecular Forces Investigation Budget-Friendly Options
6. Navigating Physical Science Paper 2 Intermolecular Forces Investigation eBook Formats

- ePub, PDF, MOBI, and More
 - Physical Science Paper 2 Intermolecular Forces Investigation Compatibility with Devices
 - Physical Science Paper 2 Intermolecular Forces Investigation Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physical Science Paper 2 Intermolecular Forces Investigation
 - Highlighting and Note-Taking Physical Science Paper 2 Intermolecular Forces Investigation
 - Interactive Elements Physical Science Paper 2 Intermolecular Forces Investigation
 8. Staying Engaged with Physical Science Paper 2 Intermolecular Forces Investigation
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Paper 2 Intermolecular Forces Investigation
 9. Balancing eBooks and Physical Books Physical Science Paper 2 Intermolecular Forces Investigation
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Paper 2 Intermolecular Forces Investigation
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Physical Science Paper 2 Intermolecular Forces Investigation
 - Setting Reading Goals Physical Science Paper 2 Intermolecular Forces Investigation
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Physical Science Paper 2 Intermolecular Forces Investigation
 - Fact-Checking eBook Content of Physical Science Paper 2 Intermolecular Forces Investigation
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Physical Science Paper 2 Intermolecular Forces Investigation Introduction

In the digital age, access to information has become easier than ever before. The ability to download Physical Science Paper 2 Intermolecular Forces Investigation has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Physical Science Paper 2 Intermolecular Forces Investigation has opened up a world of possibilities. Downloading Physical Science Paper 2 Intermolecular Forces Investigation provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Physical Science Paper 2 Intermolecular Forces Investigation has democratized knowledge.

Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Physical Science Paper 2 Intermolecular Forces Investigation. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Physical Science Paper 2 Intermolecular Forces Investigation. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Physical Science Paper 2 Intermolecular Forces Investigation, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Physical Science Paper 2 Intermolecular Forces Investigation has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of

continuous learning and intellectual growth.

FAQs About Physical Science Paper 2 Intermolecular Forces Investigation Books

1. Where can I buy Physical Science Paper 2 Intermolecular Forces Investigation books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Physical Science Paper 2 Intermolecular Forces Investigation book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Physical Science Paper 2 Intermolecular Forces Investigation books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Physical Science Paper 2 Intermolecular Forces Investigation audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.

10. Can I read Physical Science Paper 2 Intermolecular Forces Investigation books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Physical Science Paper 2 Intermolecular Forces Investigation :

scope of english paper grade 12

scooter repair guide

scott octane manual

science workbook grade 6 ch 6 answers

scooby doo the best memes and jokes english edition

scooby doo and episode guide

scion iq manual transmission

scotts reel mower 16 inch

scotts classic manual

science teachers guide

scope for grade 11 life science paper 2 november

scott mcculloch 3 5 75 hp outboard repair service manual

scion xb 2012 service manual repair

scope of physics paper 2 final 2014 grade 10

science report checklist for kids

Physical Science Paper 2 Intermolecular Forces Investigation :

Figurative Language in In Cold Blood | Study.com Figurative Language in In Cold Blood | Study.com Key Literary Devices
Metaphors: "Wearing an open-necked shirt (borrowed from Mr. Meier) and blue jeans rolled up at the cuffs, [Perry] looked as lonely and inappropriate as a ... In Cold Blood by Kendall Cheval Personification - "his memory...haunting the hallways of his mind" (pg 44); Alliteration - "...the whisper of the wind voices in the wind-bent wheat.. In Cold Blood Metaphors ' Perry knows that there is no way he can come out ahead. He will be running for the rest of his life, or he will be caught and possibly hanged. 'Running a race ... Figurative Language In Truman Capote's In Cold Blood " [He] pulled up the covers, tucked her in till just her head showed..." the use of 'tucked her in' expresses a calm and cozy tone which contrasts with

the ... Figurative Language In Truman Capote's In Cold Blood One example of imagery is used in line 5 "I'm stone. I'm flesh." The narrator is using metaphoric and literal imagery describing his body. The reader can ... Metaphor, Make-believe and Misleading Information in ... Sep 10, 2022 — Packed with metaphor, language play and allegory – such as that found in the noted tomcat extract above – In Cold Blood can surely only ever be ... Rhetorical Strategies Mar 7, 2011 — However, one of the most important rhetorical devices written in the novel is in the form of a metaphor: "He and Dick were 'running a race ... In Cold Blood - LitDevices.com Jul 1, 2019 — The author uses vivid imagery to create a sense of place and atmosphere, such as when he describes the Clutter home as "a home with absolutely ... Language Devices In Truman Capote's In Cold Blood Truman Capote uses variety of language devices to vividly develop Perry Smith in his novel In Cold Blood. These language devices include, diction, similes ... An Introduction to Medical Malpractice in the United States An Introduction to Medical Malpractice in the United States Summary Medical Liability/Medical Malpractice Laws Jul 13, 2021 — A health care provider's personal liability is limited to \$200,000 for monetary damages and medical care and related benefits as provided in §41 ... Medical Malpractice Law Oct 14, 2023 — Medical malpractice happens when a doctor or another medical professional whose actions fall below the appropriate standard of care hurts a ... What is Medical Malpractice Law? Aug 3, 2023 — Medical malpractice involves injury or harm caused by a doctor's negligence. Learn about time limits, forms of negligence, and much more at ... Medical malpractice: What does it involve? Medical malpractice refers to professional negligence by a health care provider that leads to substandard treatment, resulting in injury to a patient. malpractice | Wex | US Law | LII / Legal Information Institute Malpractice, or professional negligence, is a tort committed when a professional breaches their duty to a client. The duty of a professional to a client is ... Medical malpractice Medical malpractice is a legal cause of action that occurs when a medical or health care professional, through a negligent act or omission, deviates from ... 22 U.S. Code § 2702 - Malpractice protection - Law.Cornell.Edu ... negligence in the furnishing of medical care or related services, including the conducting of clinical studies or investigations. (f) Holding harmless or ... Medical Malpractice Sep 23, 2016 — Medical malpractice is negligence committed by a professional health care provider—a doctor ... Health Care Law · Managed Care · Law for Older ... Medical Malpractice Medical malpractice is a type of personal injury claim that involves negligence by a healthcare provider. Of course, medical treatments do not always work, and ... Bundle: Security+ Guide To Network Security ... Unlike static PDF Bundle: Security+ Guide to Network Security Fundamentals, 4th + Lab Manual solution manuals or printed answer keys, our experts show you how ... Lab Manual for Security+ Guide to Network Security ... Lab Manual for Security+ Guide to Network Security Fundamentals, 4th Edition: 9781111640132: Computer Science Books @ Amazon.com. Chapter 1 Problem 1CP Solution | Bundle: Security+ Guide ... Access Bundle: Security+ Guide to Network Security Fundamentals, 4th + Lab Manual 4th Edition Chapter 1 Problem 1CP solution now. Our solutions are written ... Security+ Guide to Network Security Fundamentals Find step-by-step solutions and answers to Security+ Guide to Network Security

Fundamentals - 9781133261728, as well as thousands of textbooks so you can ... Ch01 Review Question Solutions Security Guide to ... Ch01 Review Question Solutions Security Guide to Network Security Fundamentals 4th Edition ; Chapter 1 Review Questions Solutions. 1. Each of the following is a ... CompTIA Security+ Guide to Network Security ... Each chapter offers review questions to reinforce your mastery of network security topics and to sharpen your critical thinking and problem-solving skills. (... Security+ Guide to Network Security Fundamentals Its comprehensive introduction to practical network and computer security covers all of the the new CompTIA Security+ exam objectives. Cutting-edge coverage of ... Lab Manual for Security+ Guide to Network Security ... The organization of this book follows that of Course Technology's Security+ Guide to Network Security. Fundamentals, Third Edition, and using the two together ... Security+ Guide To Network Security Fundamentals, 4ed Fourth Edition Companion to Security+ Guide to Network Security Fundamentals, Fourth Edition. ... The Lab Manual includes lab activities, objectives, materials ... COMPTIA SECURITY+ GUIDE TO NETWORK SECURITY ... CompTIA® Security+ Guide to Network Security Fundamentals, Seventh Edition ... Manual to open the openPuff manual. save this file to your computer. read through ...