



**NATIONAL
SENIOR CERTIFICATE**

GRADE 11

NOVEMBER 2020

**PHYSICAL SCIENCES P2
(CHEMISTRY)
EXEMPLAR**

Duration: 120
Time: 1 hour



The question paper consists of 10 pages, including 4 extra sheets.
Use permanent marker for writing and drawing.

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 ΔH_{fusion} for water in kJ mol⁻¹.

Compound	Molecular mass (M _r)	Boiling point (°C)
A	102	162
B	102	17

- 3.1.1 Define the term boiling point. (2)
- 3.1.2 In what phase was compound A and B at 0 °C and 100 °C and 101 °C of boiling compound? (2)
- 3.1.3 Name the type of intermolecular force that exists between molecules of both compounds A and B and in the polar nature of these molecules. (2)
- 3.1.4 What kind of the compound A and B is 1-hexanol? Explain how you proposed these? (2)
- 3.1.5 What compound B and B₂ will have the higher vapour pressure? (2)
- 3.1.6 What compound B and B₂ will have the higher surface tension? (2)

Compound B (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 162 °C.

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

3.2 Substances C is added to water solution of sodium chloride (NaCl) and water. It separates into two layers in the diagram below.



- 3.2.1 In which layer (C or H₂O), will the solute dissolve? (2)
- 3.2.2 Explain the process in QUESTION 3.2.1 about the solubility in the immiscible liquid mixture. (2)

Copyright reserved

Page 10 of 10

Physical Science Paper 2 Intermolecular Forces Investigation

Guillaume Favre



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 *Physics Briefs* ,1992 Journal of Research of the National Bureau of Standards United States. National Bureau of Standards,1951 *Energy Research Abstracts* ,1990

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 Resources in Education ,1972-10 U.S. Government Research & Development Reports ,1970-04 **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 *Educart CUET UG 2024 Science ISC Board Supplementary Book of Physics + Chemistry + Mathematics (Additional Topics + Past Year Papers + Mock Papers on new syllabus)* Educart, 2024-06-17 Books Structure NTA CUET official 2023 papers solved Past year papers to understand the exam pattern Educart CUET UG 2024 Science ISC Board Supplementary Book of Physics Chemistry Mathematics Additional Topics Past Year Papers Mock Papers on new syllabus Based on NTA CUET UG Syllabus released on 29th February 2024 Topic wise Detailed Theory Class 12 and Supplementary topics MCQ Questions for Every topic Includes 3 Solved CUET Previous Year Papers Includes 3 CUET Practice Papers Includes OMR Sheets for Offline Exam Practice Why choose this book First ever book for ISC students for CUET supplementary topics

Chemical News and Journal of Physical Science ,1914

The Enigmatic Realm of **Physical Science Paper 2 Intermolecular Forces Investigation**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Physical Science Paper 2 Intermolecular Forces Investigation** a literary masterpiece penned with a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of people who partake in its reading experience.

https://crm.avenza.com/files/detail/Download_PDFS/pool%20cleaner%20kayak%20advance%20manual.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 a 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 this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Physical Science Paper 2 Intermolecular Forces Investigation free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Physical Science Paper 2 Intermolecular Forces Investigation free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role

in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Physical Science Paper 2 Intermolecular Forces Investigation free PDF files is convenient, it's important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but it's essential to be cautious and verify the authenticity of the source before downloading Physical Science Paper 2 Intermolecular Forces Investigation. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether it's classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Physical Science Paper 2 Intermolecular Forces Investigation any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Physical Science Paper 2 Intermolecular Forces Investigation Books

What is a Physical Science Paper 2 Intermolecular Forces Investigation PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it.

How do I create a Physical Science Paper 2 Intermolecular Forces Investigation PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF.

How do I edit a Physical Science Paper 2 Intermolecular Forces Investigation PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities.

How do I convert a Physical Science Paper 2 Intermolecular Forces Investigation PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobat's export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats.

How do I password-protect a Physical Science Paper 2 Intermolecular Forces Investigation PDF? Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with

PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Physical Science Paper 2 Intermolecular Forces Investigation :

pool cleaner kayak advance manual

polk audio psw series psw10 manual

pontiac grand am gt service repair manual

polymer sequence determination carbon 13 nmr method james randall

pontiac grand prix ignition switch problems

polygenic inheritance fingerprint ridge count answers

porsche 84 89 workshop manual

poor little bitch girl

pork kaldereta recipe

~~police study guide exam~~

policy and procedure manual 2015 revision

polymer physics rubinstein

polycom hdx 7000 user guide

porsche 911 1972 1983 workshop repair service manual

pontiac sunfire 1997 neutral switch diagram

Physical Science Paper 2 Intermolecular Forces Investigation :

Reading free Elizayutani deliver me .pdf - resp.app Jul 5, 2023 — Thank you very much for downloading elizayutani deliver

me. As you may know, people have look hundreds times for their favorite readings ... Reading free Elizayutani deliver me (Download Only) \ resp.app Jun 24, 2023 — Recognizing the exaggeration ways to get this books elizayutani deliver me is additionally useful. You have remained in right site to start. Deliver Me (This Is My Exodus) - YouTube Deliver Me (This Is My Exodus) - YouTube Get Real Like Jesus Would Own Gun Vote Republican ... Get Real Like Jesus Would Own Gun Vote Republican Bumper Sticker - [11" x 3"] - EF-STK-B-10297 · Item details · Delivery and return policies · Meet your sellers. Get Real Like Jesus Would Own Gun Vote Republican ... Get Real Like Jesus Would Own Gun Vote Republican Bumper Sticker - [11" x 3"] - EF-STK-B-10297 · Item details · Shipping and return policies · Meet your sellers. Le'Andria Johnson - Deliver Me (NEW) 2022 - YouTube Deliver Me (This Is My Exodus) - YouTube Virgin Sacrifice "So Stiles needs to get de-virginized, stat." Or, episodic crack!porn, to be delivered here weekly. ... You'll never be bored again. Bound for Workbook for Tonal Harmony - Amazon This workbook is meant to be paired with the Tonal Harmony text book. They obviously pair great. Each exercise expounds on the information learned in the book. Tonal Harmony - Stefan Kostka Tonal Harmony. Stefan Kostka. 4.7 out of 5 stars 416. Hardcover. 65 offers from \$66.59 · Workbook for Tonal Harmony. Stefan Kostka. Tonal Harmony - Workbook Tonal Harmony - Workbook. by kostka, stefan. Tonal Harmony - Workbook. SKU: MBS_2289625_dg. Edition: 8TH 18. Publisher: MCG COURSE. ISBN10: 1260179257. ISBN 13 ... Workbook for Tonal Harmony 7th edition ... COUPON: RENT Workbook for Tonal Harmony With and Introuction to Twentieth Century Music 7th edition (9780077410179) and save up to 80% on textbook rentals ... Tonal Harmony 7th Edition Workbook (P ... Tonal Harmony 7th Edition Workbook (P) by Kostka, Payne, & Almen · ISBN# 0077410173 · Shipping Weight: 1.7 lbs · 1 Units in Stock · Published by: McGraw-Hill. Tonal Harmony 7th Edition 9780078025143 Excellent source of music theory. This is the "perfect" general tonal harmony textbook, covering everything from basic Armed Services Edition First ... Bound for Workbook for Tonal Harmony - Softcover Bound for Workbook for Tonal Harmony by Kostka, Stefan; Dorothy Payne; Byron ... About this edition. Each set of exercises in the Workbook is closely ... 9780078025143 | Tonal Harmony, 7th Edition Jun 22, 2012 — Rent textbook Tonal Harmony, 7th Edition by Kostka, Stefan - 9780078025143 ... workbook are available for download as MP3 files. For instructors ... Stefan Kostka - Tonal Harmony, Seventh Edition The following ancillary items can be used with the seventh edition of Tonal Harmony. ... Workbook. Summary. The term binary form is applied to a movement or ... Tonal Harmony - 7th Edition - Solutions and Answers Textbook solutions ; Chapter 1: Elements of Pitch ; Chapter 2: Elements of Rhythm ; Chapter 3: Introduction to Triads and Seventh Chords ; Chapter 4: Diatonic ... BA Falcon Workshop Manual PDF BA Falcon Workshop Manual.pdf - Free ebook download as PDF File (.pdf), Text ... Ford or Motorcraft parts are installed A group covers a specific portion of ... Workshop Repair Manual for Ford Falcon 2002~2008 BA ... Published by Max Ellery Publications. This is an excellent manual. It has step-by-step instructions in every chapter. Covering sedans, station wagons and ... Ford Falcon Workshop Manual 2002 - 2005 BA Free ... Download a free pdf Ford Falcon workshop manual / factory service manual /

repair manual for cars built between 2002 - 2005. Suit BA series vehicles. FORD FALCON BA WORKSHOP MANUAL Suitable for the home workshop mechanic or professional technician this manual will help you maintain your Ford Falcon BA. Very easy step by step instructions ... FORD BA Falcon Utility Factory Workshop Manual This Ford Workshop Manual is a comprehensive workshop manual, fully bookmarked for easy navigation. With easy, step by step instructions, this manual is ... Service & Repair Manuals for Ford Falcon Shop eBay for great deals on Service & Repair Manuals for Ford Falcon. You'll find new or used products in Service & Repair Manuals for Ford Falcon on eBay. SECTION 303-01A: Engine - I6 303-12A of the 2008.0 Falcon Workshop Manual. 5. Raise the vehicle. For additional information, refer to section 100-02 of the 2008.0 Falcon. Workshop Manual. Ford Falcon (BA) 2003-2005 Service Repair Manual This manual provides information on diagnosis, service procedures, adjustments and specifications for the Ford Falcon (BA) 2003-2005. This manual is for ... Ford Falcon Workshop Manual 2005 - 2010 BF Free ... Download a free pdf Ford Falcon workshop manual / factory service manual / repair manual for cars built between 2005 - 2010. Suit BF series vehicles. Ford Falcon / Fairmont BA 2002 - 2005 Free PDF Factory ... BA Falcon Factory Workshop Manual, detailing all specifications, repair and maintenance information. Download Workshop Manual (PDF Format).