



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 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 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? at 0 °C and 101 kPa of external pressure? (2)
- 3.1.3 Name the type of intermolecular force that exists between molecules of both compounds A and B and its relative value of these molecules. (2)
- 3.1.4 What (100%) of the compound A and B is 1-hexanol? Explain how you arrived at your answer. (2)
- 3.1.5 Which compound (A or B) will have the higher vapour pressure? (2)
- 3.1.6 Give a reason for your answer. (2)
- 3.1.7 Which compound (A or B) will have the higher surface tension? (2)
- 3.1.8 Give a reason for the answer to 3.1.7 relating to the space the table. (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 16,2 °C.

3.1.8 Explain why the boiling point of compound B is 16,2 °C (100%) based on the compound A and B and relating to the ΔH_{vap} and intermolecular or intramolecular forces. (2)

3.2 Add table 3.2 to obtain a more complete of pure 1-hexanol (100%) and water. It is important that you do this in the diagram below.



- 3.2.1 Is water (100%) or 1-hexanol, all the water (100%)? (2)
- 3.2.2 Explain the process to OASTION 3.2.1 about the solution in the intermolecular forces. (2)

Copyright reserved

Page 10 of 10

Physical Science Paper 2 Intermolecular Forces Investigation

SA Dillow

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

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

Recognizing the artifice ways to acquire this book **Physical Science Paper 2 Intermolecular Forces Investigation** is additionally useful. You have remained in right site to begin getting this info. get the Physical Science Paper 2 Intermolecular Forces Investigation connect that we present here and check out the link.

You could buy guide Physical Science Paper 2 Intermolecular Forces Investigation or get it as soon as feasible. You could speedily download this Physical Science Paper 2 Intermolecular Forces Investigation after getting deal. So, afterward you require the books swiftly, you can straight get it. Its suitably unconditionally easy and therefore fats, isnt it? You have to favor to in this expose

https://crm.avenza.com/files/detail/Download_PDFS/Section%202%20Properties%20Of%20Matter%20Answer%20Key.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

Physical Science Paper 2 Intermolecular Forces Investigation Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Physical Science Paper 2 Intermolecular Forces Investigation Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Physical Science Paper 2 Intermolecular Forces Investigation : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Physical Science Paper 2 Intermolecular Forces Investigation : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Physical Science Paper 2 Intermolecular Forces Investigation Offers a diverse range of free eBooks across various genres. Physical Science Paper 2 Intermolecular Forces Investigation Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Physical Science Paper 2 Intermolecular Forces Investigation Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Physical Science Paper 2 Intermolecular Forces Investigation, especially related to Physical Science Paper 2 Intermolecular Forces Investigation, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Physical Science Paper 2 Intermolecular Forces Investigation, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Physical Science Paper 2 Intermolecular Forces Investigation books or magazines might include. Look for these in online stores or libraries. Remember that while Physical Science Paper 2 Intermolecular Forces Investigation, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Physical Science Paper 2 Intermolecular Forces Investigation eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for

certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Physical Science Paper 2 Intermolecular Forces Investigation full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Physical Science Paper 2 Intermolecular Forces Investigation eBooks, including some popular titles.

FAQs About Physical Science Paper 2 Intermolecular Forces Investigation Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Physical Science Paper 2 Intermolecular Forces Investigation is one of the best book in our library for free trial. We provide copy of Physical Science Paper 2 Intermolecular Forces Investigation in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Physical Science Paper 2 Intermolecular Forces Investigation. Where to download Physical Science Paper 2 Intermolecular Forces Investigation online for free? Are you looking for Physical Science Paper 2 Intermolecular Forces Investigation PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Physical Science Paper 2 Intermolecular Forces Investigation. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Physical Science Paper 2 Intermolecular Forces Investigation are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products

categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Physical Science Paper 2 Intermolecular Forces Investigation. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Physical Science Paper 2 Intermolecular Forces Investigation To get started finding Physical Science Paper 2 Intermolecular Forces Investigation, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Physical Science Paper 2 Intermolecular Forces Investigation So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Physical Science Paper 2 Intermolecular Forces Investigation. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Physical Science Paper 2 Intermolecular Forces Investigation, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Physical Science Paper 2 Intermolecular Forces Investigation is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Physical Science Paper 2 Intermolecular Forces Investigation is universally compatible with any devices to read.

Find Physical Science Paper 2 Intermolecular Forces Investigation :

section 2 properties of matter answer key

section 18 2 modern evolutionary classification answers

seat audi diagnostics training manual

section 1 chapter 10 guided reading and review money answers

section 20 electric charge and static electricity

secret agent the joseph conrad

section 1 notetaking study guide

section 1 human heredity reading guide

~~section 12 the arithmetic of equations answers~~

section 1 chapter 1 understanding populations

~~section 1 reinforcement chemical changes answers~~

seat ibiza 97 haynes manual

~~sears warranty repair center~~

~~seat leon fr owners manual~~

secrets deacutesirs thells eight les hells eight

Physical Science Paper 2 Intermolecular Forces Investigation :

An Introduction to Behavioral Psychology - Rivier Academics An Introduction to Behavioral Psychology. Behavioral psychology, or behaviorism, is a theory suggesting that environment shapes human behavior. In a most basic ... Introduction to Behavior: An Evolutionary Perspective ... An up-to-date approach to behavior analysis within the framework of evolutionary theory. Introduction to Behavior is a contemporary textbook for students in ... An Introduction to Behavior Analysis The book offers readers sound analyses of Pavlovian and operant learning, reinforcement and punishment, motivation and stimulus control, language and rule- ... An Introduction to Behavior Analysis An Introduction to Behavior Analysis delivers an engaging and comprehensive introduction to the concepts and applications for graduate students of behavior ... An Introduction to Behavior-Centered Design In this self-paced course, you will explore a step-by-step approach and principles for designing behavior change solutions to environmental challenges. Introduction to Psychology/Behavior Analysis The focus is on observable, measurable behavior and the role of the environment in establishing and maintaining behaviors. Introduction to Behavior-Based Design | by Jason Hreha What you need to know — in 10 mins · Time · Money · Cognitively demanding (mental effort) · Physically demanding (physical effort) · Social ... The ABC's of Behavior Analysis: An Introduction to ... The ABCs of Behavior Analysis is not a psychology book. It is truly a behavior analysis book. It is about how behavior works and its emphasis is on behavior ... Introduction to Behavior An up-to-date approach to behavior analysis within the framework of evolutionary theory. Introduction to Behavior is a contemporary textbook for students in ... While the World Watched: A Birmingham Bombing Survivor ... While the World Watched is a first person account of the 1963 16th Street Church Bombing where four young teenage girls died, and her life after that bombing. While the World Watched: A Birmingham Bombing Survivor ... While the World Watched is a poignant and gripping eyewitness account of life in the Jim Crow South - from the bombings, riots and assassinations to the ... While the world watched chapter 1 through 3 questions The common place in the south, the greatest fear of all parents was when young black girls walking in the streets got picked up by white men, raped, and then ... While the world watched : a Birmingham bombing survivor ... While the World Watched is a poignant and gripping eyewitness account of life in the Jim Crow South - from the bombings, riots and assassinations to the ... A Birmingham Survivor Comes Of Age During The Civil ... While The World Watched: A Birmingham Survivor Comes Of Age During The Civil Rights Movement The author shares her experience of race relations in America, ... While the World

Watched while the world watched . . . lest I forget. Lest we all forget. I hope this story will challenge you to reexamine your life; your daily living; your values ... While the World Watched Summary After she chatted with her friends, Maull left the restroom alone to answer a phone that was ringing in the church office. She recalls a mysterious voice, which ... While the World Watched: A Birmingham Bombing Survivor ... Carolyn Maull McKinstry is a survivor of the Civil Rights struggle and an eyewitness to the Sept. 15, 1963 Sixteenth Street Baptist Church bombing. Book Review: While the World Watched May 22, 2018 — Carolyn's story, told matter-of-factly, invites the reader into her world and we get a better appreciation for the struggle faced by black ... Service & Repair Manuals for Mercedes-Benz 300D Get the best deals on Service & Repair Manuals for Mercedes-Benz 300D when you shop the largest online selection at eBay.com. Free shipping on many items ... Mercedes-Benz 300D (1976 - 1985) Diesel Need to service or repair your Mercedes-Benz 300D 1976 - 1985? Online and ... The original Haynes Repair Manual - Based on a complete stripdown and rebuild of a ... Mercedes-Benz 300TD (1976 - 1985) Diesel Introduction Chapter 1: Routine Maintenance Chapter 2: Part A: Engine Chapter 2: Part B: General engine overhaul procedures. Chapter 3: Cooling, heating and ... 300D Owners / Service Manual download Apr 25, 2009 — Hi, I'm browsing the forums searching for a download (pdf preferably) for a quality Owner's Manual or Maintenance Manual for 300D repair. Mercedes-Benz Service Manual Chassis and Body Series ... Mercedes-Benz Service Manual Chassis and Body Series 123, Starting 1977 (SM 1220). By: Mercedes-Benz. Price: \$100.00. Quantity: 1 available. Condition ... Mercedes® Book, Haynes Service Manual, 240D/300D ... Buy Mercedes® Book, Haynes Service Manual, 240D/300D/300TD, 1977-85. Performance Products® has the largest selection of Mercedes Parts and Accessories from ... MERCEDES BENZ 300D 300TD SERVICE ... This is the COMPLETE official MERCEDES BENZ service maanual for the 300D 300TD and 300CD Coupe. Production model years 1976 1977 1978 1979 1980 1981 1982 ... 1977 Mercedes Benz 300D, 300CD, 300TD & ... Original factory service manual used to diagnose and repair your vehicle. ... Please call us toll free 866-586-0949 to get pricing on a brand new manual. Mercedes-Benz 200D, 240D, 240TD, 300D and 300TD ... Mercedes-Benz 200D, 240D, 240TD, 300D and 300TD (123 Series) 1976-85 Owner's Workshop Manual (Service & repair manuals) by Haynes, J. H., Warren, ... MERCEDES BENZ 300D 300TD SERVICE MANUAL 1976 ... Jul 7, 2018 — This is the COMPLETE official MERCEDES BENZ service maanual for the 300D 300TD and 300CD Coupe. Production model years 1976 1977 1978 1979 1980 ...