



PHYSICAL SCIENCES (CHEMISTRY)
GRADE 11 TERM 3 FORMAL EXPERIMENT - PART 2

TIME: 1 HOUR

VERIFICATION OF BOYLE'S LAW
INDIVIDUAL WORK (should be done under strict supervision).

1. Write a scientific report which must include the following:

1.1 Aim

(1)

1.2 Apparatus and method

(5)

2. Observations and Recording of results (Copy the table below onto your book or sheet of paper and transfer the results you recorded when conducting the experiment). Calculate pV for each set of results and record your answers in the table.

Volume (V) cm^3	Pressure (p) kPa		pV (J)

(6)

3. Analysis of the results:

3.1 Identify the following variables for the experiment:

- Independent
- Dependent
- Controlled

(3)

3.2 Use the graph paper provided by your teacher to draw graphs of V versus p and V versus $\frac{1}{p}$.

(18)

4. Conclusion

4.1 Examine the results in your table as well as the two graphs you have drawn, what happens to the volume of the gas in the tube as the pressure is decreased.

(1)

4.2 Write down a conclusion for this experiment.

(3)

5

Questions and discussion:

5.1 Explain why you have to wait for a few minutes before you can take readings.

(2)

5.2 Explain the relationship between pressure and volume in terms of the kinetic theory of gases.

(4)

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X-kit Exam 2004 Physical Science ,2005 **CUET (UG) 20 Combined Mock Test Papers Science (PCM) Stream (English, Physics, Chemistry, Mathematics, General Test) For 2025 Exam** Oswaal Editorial Board,2024-09-05 The Central Universities Entrance Test CUET UG has emerged as a crucial examination for students aspiring to secure admission into prestigious universities across India With the competition intensifying each year thorough preparation and strategic practice have become essential for success In 2024 The Common University Entrance Test CUET had conducted the assessment test for admission to UG programme across 44 Central Universities at 354 centres in India and at 25 centres abroad In 2024 nearly 15 lakh candidates registered for the CUET UG Exam Oswaal Combined Mock Test Papers have been meticulously designed to simulate the syllabus and actual exam pattern issued by the NTA ensuring that students can practice in an environment similar to the one they will face on the day of the examination Each test paper covers a wide range of topics carefully aligned with the CUET syllabus helping students assess their knowledge hone their problem solving skills and improve their time management in the CBT test A Hybrid mode Pen Paper CBT question paper is divided into four sections Sections IA IB contain language specific questions Section II comprises domain related questions and Section III contains questions on general topics All questions are MCQ based This book of Combined Mock Test Papers for CUET UG aims to provide a comprehensive and well structured resource for students preparing in various streams including Commerce English Accountancy Bussiness Studies Economics and General Test Humanities English History Geography Poltical Science and General Test Science PCB PCM English Physics Chemistry Biology Mathematics and General Test Here s how this book benefits you 100% updated with the Latest Solved Paper 2024 for unmatched accuracy relevance 20 Mock test papers 4 sets in each subject for extensive practice 1200 Questions approx for comprehensive coverage Answer key with explanations to ensure in depth concept clarity OMR Sheet simulates the real exam experience We believe that consistent practice and familiarity with the exam format are key to excelling in CUET UG By working through these Mock Test Papers students will not only build a strong foundation in their respective subjects but also develop the confidence needed to tackle the exam with ease We hope this book serves as a valuable companion in your preparation journey We wish all aspiring students the very best of luck in their endeavours and future academic pursuits *Oswaal ICSE Question Bank Chapterwise & Topicwise Solved Papers Class 10 English Paper-I For Exam 2025* Oswaal Editorial Board,2024-08-06 Elevate Your Performance Surpassing the Past Get ready for another epic journey through the academic wonders of the academic year 2024 2025 with your trustworthy companion Oswaal Books Remember last year s triumphs Well buckle up because we are about to make this year even more awesome As the legendary dancer Martha Graham once said Practice means to perform repeatedly in the face of all obstacles some act of vision of faith of desire We have taken this wisdom to heart and packed it into our brand new Question Banks for 2024 2025 They are a magical mix of ICSE Board Updates and specially crafted ones tailored to the

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Table of Contents Physical Science Grade 1exam Papers 23

1. Understanding the eBook Physical Science Grade 1exam Papers 23
 - The Rise of Digital Reading Physical Science Grade 1exam Papers 23
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Grade 1exam Papers 23
 - 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 Grade 1exam Papers 23
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Grade 1exam Papers 23
 - Personalized Recommendations
 - Physical Science Grade 1exam Papers 23 User Reviews and Ratings

- Physical Science Grade 1exam Papers 23 and Bestseller Lists
- 5. Accessing Physical Science Grade 1exam Papers 23 Free and Paid eBooks
 - Physical Science Grade 1exam Papers 23 Public Domain eBooks
 - Physical Science Grade 1exam Papers 23 eBook Subscription Services
 - Physical Science Grade 1exam Papers 23 Budget-Friendly Options
- 6. Navigating Physical Science Grade 1exam Papers 23 eBook Formats
 - ePub, PDF, MOBI, and More
 - Physical Science Grade 1exam Papers 23 Compatibility with Devices
 - Physical Science Grade 1exam Papers 23 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physical Science Grade 1exam Papers 23
 - Highlighting and Note-Taking Physical Science Grade 1exam Papers 23
 - Interactive Elements Physical Science Grade 1exam Papers 23
- 8. Staying Engaged with Physical Science Grade 1exam Papers 23
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Grade 1exam Papers 23
- 9. Balancing eBooks and Physical Books Physical Science Grade 1exam Papers 23
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Grade 1exam Papers 23
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Grade 1exam Papers 23
 - Setting Reading Goals Physical Science Grade 1exam Papers 23
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Grade 1exam Papers 23
 - Fact-Checking eBook Content of Physical Science Grade 1exam Papers 23
 - 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

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