

- 3.3.1 State Coulomb's Law in words. (2)
3.3.2 Calculate the net force acting on charge Q_3 due to the presence of Q_1 and Q_2 . (7)
3.3.3 Define electric field at a point in words. (2)
3.3.4 Draw the net electric field pattern due to charges Q_2 and Q_3 . (3)
3.3.5 Calculate the magnitude and direction of electric field between Q_3 and Q_1 . (3)
[27]

QUESTION 4

In the circuit diagram below the reading on voltmeter V_1 is 12 V and the reading on ammeter A_1 is 2 A.



Calculate the:

- 4.1 Reading on V_2 (3)
4.2 Reading on A_2 (4)
4.3 Amount of charge that flows through ammeter A_1 in 120 s (3)

[10]

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Lingjun Ying



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Chemical News and Journal of Physical Science

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Table of Contents Physical Science Controlled Test

1. Understanding the eBook Physical Science Controlled Test
 - The Rise of Digital Reading Physical Science Controlled Test
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Controlled Test
 - 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 Controlled Test
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Controlled Test
 - Personalized Recommendations
 - Physical Science Controlled Test User Reviews and Ratings
 - Physical Science Controlled Test and Bestseller Lists
5. Accessing Physical Science Controlled Test Free and Paid eBooks

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