

PHYSICAL SCIENCES P.2

MEMO-2024



basic education

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NATIONAL
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Diagram on page 9 is redrawn below for easy reference.



Changes to the conditions of equilibrium are made at different times. The graph shows the results obtained. X, Y and Z represent the gases in the above reaction.



2.1.1 Define for both chemical equilibrium

Use the graph to answer the questions below.

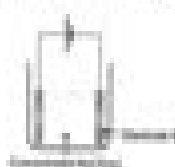
The inorganic reagents shown below are available for reactions IV and Y.

Br ₂	H ₂ SO ₄ (conc.)	NaOH(aq.)	HBr	H ₂
-----------------	--	-----------	-----	----------------

4.5 Write down the TYPE of elimination in reaction III.

4.6 Compounds R and T are positional isomers.

4.7 Identify the reaction in the above diagram that is a redox reaction.



4.8 Write the half-cell reaction for the anode in the above cell.

4.9 Write the overall cell reaction for the above cell.

5.1 Write down the name of the reaction in the above diagram.

5.2 Write down the name of the reaction in the above diagram.



5.3 Write down the name of the reaction in the above diagram.

5.4 Write down the name of the reaction in the above diagram.

5.5 Write down the name of the reaction in the above diagram.

5.6 Write down the name of the reaction in the above diagram.

Physical Science Paper2 Preparatory Examination September 2014 Memorandum

Didier Musso



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Table of Contents Physical Science Paper2 Preparatory Examination September 2014 Memorandum

1. Understanding the eBook Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - The Rise of Digital Reading Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - 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 Paper2 Preparatory Examination September 2014 Memorandum
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paper2 Preparatory Examination September 2014 Memorandum

- Personalized Recommendations
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum User Reviews and Ratings
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum and Bestseller Lists
5. Accessing Physical Science Paper2 Preparatory Examination September 2014 Memorandum Free and Paid eBooks
- Physical Science Paper2 Preparatory Examination September 2014 Memorandum Public Domain eBooks
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum eBook Subscription Services
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum Budget-Friendly Options
6. Navigating Physical Science Paper2 Preparatory Examination September 2014 Memorandum eBook Formats
- ePub, PDF, MOBI, and More
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum Compatibility with Devices
 - Physical Science Paper2 Preparatory Examination September 2014 Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - Highlighting and Note-Taking Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - Interactive Elements Physical Science Paper2 Preparatory Examination September 2014 Memorandum
8. Staying Engaged with Physical Science Paper2 Preparatory Examination September 2014 Memorandum
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Paper2 Preparatory Examination September 2014 Memorandum
9. Balancing eBooks and Physical Books Physical Science Paper2 Preparatory Examination September 2014 Memorandum
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Paper2 Preparatory Examination September 2014 Memorandum
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Physical Science Paper2 Preparatory Examination September 2014 Memorandum

- Setting Reading Goals Physical Science Paper2 Preparatory Examination September 2014 Memorandum
- Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - Fact-Checking eBook Content of Physical Science Paper2 Preparatory Examination September 2014 Memorandum
 - 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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