



ADVANCED SUBSIDIARY GCE
CHEMISTRY A
 Atoms, Bonds and Groups

F321

Friday 21 May 2010
Afternoon

Duration: 1 hour



Candidates answer on the Question Paper

OCR Supplied Materials:

- Data Sheet for Chemistry A (inserted)

Other Materials Required:

- Scientific calculator

Candidate Forename				Candidate Surname			
Centre Number							

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer all the questions.
- Do not write in the bar-codes.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
-  Where you see this icon you will be awarded marks for the quality of written communication in your answer.

This means for example you should:

- ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear;
- organise information clearly and coherently, using specialist vocabulary where appropriate.

- You may use a scientific calculator.
- A copy of the Data Sheet for Chemistry A is provided as an insert with this question paper.
- You are advised to show all the steps in any calculations.
- The total number of marks for this paper is 60.
- This document consists of 16 pages. Any blank pages are indicated.

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Dave Gent,Rob Ritchie

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Table of Contents 2013 June Ocr F321

1. Understanding the eBook 2013 June Ocr F321
 - The Rise of Digital Reading 2013 June Ocr F321
 - Advantages of eBooks Over Traditional Books
2. Identifying 2013 June Ocr F321
 - 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 2013 June Ocr F321
 - User-Friendly Interface
4. Exploring eBook Recommendations from 2013 June Ocr F321
 - Personalized Recommendations
 - 2013 June Ocr F321 User Reviews and Ratings
 - 2013 June Ocr F321 and Bestseller Lists
5. Accessing 2013 June Ocr F321 Free and Paid eBooks

- 2013 June Ocr F321 Public Domain eBooks
- 2013 June Ocr F321 eBook Subscription Services
- 2013 June Ocr F321 Budget-Friendly Options

6. Navigating 2013 June Ocr F321 eBook Formats
 - ePUB, PDF, MOBI, and More
 - 2013 June Ocr F321 Compatibility with Devices
 - 2013 June Ocr F321 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of 2013 June Ocr F321
 - Highlighting and Note-Taking 2013 June Ocr F321
 - Interactive Elements 2013 June Ocr F321
8. Staying Engaged with 2013 June Ocr F321
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers 2013 June Ocr F321
9. Balancing eBooks and Physical Books 2013 June Ocr F321
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection 2013 June Ocr F321
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine 2013 June Ocr F321
 - Setting Reading Goals 2013 June Ocr F321
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of 2013 June Ocr F321
 - Fact-Checking eBook Content of 2013 June Ocr F321
 - 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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