

# ADVANCED SUBSIDIARY GCE CHEMISTRY A

Atoms, Bonds and Groups

F321

Candidates answer on the Question Paper

#### OCR Supplied Materials:

Data Sheet for Chemistry A (inserted)

#### Other Materials Required:

Scientific calculator

Thursday 14 January 2010 Morning

Duration: 1 hour



Candidate Forename	Candidate Surname	
Centre Number	Candidate 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, however additional paper may be used if necessary.

#### 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 when 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 12 pages. Any blank pages are indicated.



# F321 Jan 20grade Boundaries

**JS Bruner** 

F321 Jan	20grade	Bound	laries:
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This book delves into F321 Jan 20grade Boundaries. F321 Jan 20grade Boundaries is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into F321 Jan 20grade Boundaries, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to F321 Jan 20grade Boundaries
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