



**ADVANCED SUBSIDIARY GCE  
CHEMISTRY A**  
Chains, Energy and Resources

**F322**

Candidates answer on the Question Paper

**OCR Supplied Materials:**

- Data Sheet for Chemistry A (inserted)

**Other Materials Permitted:**

- scientific calculator

**Thursday 14 January 2010**  
**Morning**

Duration: 1 hour 45 minutes



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| Candidate<br>Reference |  |  |  |  |  |  |  |  |  |
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**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 100.
- This document consists of 20 pages. Any blank pages are indicated.



# Ocr F32jan 2013 Question Paper

**J Rink**



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