

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

Friday 21 May 2010
Afternoon

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. 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 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 **16** pages. Any blank pages are indicated.



Ocr F321 2014 Paper

Richard Foulston



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OCR(A) AS Chemistry Student Unit Guide: Unit F321 Atoms, Bonds and Groups Mike Smith, 2012-01-13 AS

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Revision Cards for As Level Chemistry Richard Foulston, 2016-02-19 This is the Paperback Edition our original Printed Revision Cards and a Kindle version are also available Learning the right facts for your exams is key to obtaining top grades and a few reactions or definitions can make the difference between grades in an exam Revision Cards are a great way to ensure that you learn all of the key facts that you need to know and we honestly believe that these Revision Cards are the most concise and precise that you will find These Revision Cards are for the old exams for courses starting in 2014 or earlier and are designed specifically for the OCR A Chemistry AS level They include 16 cards for F321 and 20 cards for F322 These cards cover the key Reactions Definitions Equations and Reaction Mechanisms that you need to know for your exams plus a few other important bits Each Revision Card covers a single topic and gives only the facts that you need to learn off by heart for your exams They have been carefully written to ensure that they do not contain any waffle just the key facts that you need to learn These cards were written by a group of experienced teachers tutors and examiners who have decades of combined teaching experience thousands of hours of tuition experience and have marked thousands of exam papers as examiners team leaders They have painstakingly trawled through module specifications textbooks and exam mark schemes to produce a set of Revision Cards which cover the key facts required for the F321 and F322 exams They focus specifically on areas where students tend to perform badly in exams

OCR Revise AS Chemistry

Mike Wooster, Helen Eccles, 2008 Written by experienced examiners this title offers tips on tricky areas and questions on each topic

OCR A Chemistry A2 Student Unit Guide: Unit F324 New Edition: Rings, Polymers and Analysis ePub

Mike Smith, 2013-01-25 Student Unit Guides are perfect for revision Each guide is written by an examiner and explains the unit requirements summarises the relevant unit content and includes a series of specimen questions and answers There are

three sections to each guide Introduction includes advice on how to use the guide an explanation of the skills being tested by the assessment objectives an outline of the unit or module and depending on the unit suggestions for how to revise effectively and prepare for the examination questions Content Guidance provides an examiner s overview of the module s key terms and concepts and identifies opportunities to exhibit the skills required by the unit It is designed to help students to structure their revision and make them aware of the concepts they need to understand the exam and how they might analyse and evaluate topics Question and Answers sample questions and with graded answers which have been carefully written to reflect the style of the unit All responses are accompanied by commentaries which highlight their respective strengths and weaknesses giving students an insight into the mind of the examiner

OCR A Level Chemistry A. Emma Poole,2016

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