

OCR

Oxford Cambridge and RSA

(As level) OCR A chemistry 2020

depth paper & mark scheme

H032/02 Depth in chemistry

Time allowed: 1 hour 30 minutes

You must have:

- the Data Sheet for Chemistry A.

You can use:

- a scientific or graphical calculator
- an HB pencil

Tuesday 13 October 2020 – Morning



Please write clearly in black ink. Do not write in the barcodes.

Centre number

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Candidate number

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First name(s)

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Last name

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INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.

INFORMATION

- The total mark for this paper is **70**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

Ocr Exam Papers Chemistry

Janet Renshaw, Ted Lister



Ocr Exam Papers Chemistry:

Essential A2 Chemistry for OCR Janet Renshaw, Ted Lister, 2004 *Essential A2 Chemistry for OCR* provides clear progression with challenging material for in depth learning and understanding Written by the best selling authors of *New Understanding Chemistry* these texts have been written in simple easy to understand language and each double page spread is designed in a contemporary manner Fully networkable and editable Teacher Support CD ROMs are also available for this series containing worksheets marking schemes and practical help *OCR A level Chemistry Student Book 1* Mike Smith, John Older, 2015-06-26 Exam Board OCR Level A level Subject Chemistry First Teaching September 2015 First Exam June 2016 This is an OCR endorsed resource Stretch and challenge your students knowledge and understanding of Chemistry build their mathematical and practical skills and provide plenty of assessment guidance with this OCR Year 1 Student Book Build understanding with a summary of prior knowledge and diagnostic questions at the start of each chapter to help bring students up to speed Support practical assessment with Practical Skill summaries that help develop your students knowledge and skills Test understanding and provide plenty of practice to assess progression with Test Yourself Questions and multiple choice questions Provide mathematical support with examples of method integrated throughout and a dedicated Maths in Chemistry chapter Develop understanding with free online access to Test yourself Answers an Extended Glossary Learning Outcomes and Topic Summaries *OCR A Level Chemistry Student Book 1* includes AS Level *OCR A Chemistry AS Student Unit Guide: F321 New Edition Atoms, Bonds and Groups* Mike Smith, 2012-08-31 Written by a former senior examiner Mike Smith this OCR A AS Chemistry Student Unit Guide is the essential study companion for Unit F321 Atoms Bonds and Groups This full colour book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required exam style questions with graded student responses so you can see clearly what is required to get a better grade **Essential AS Chemistry for OCR** Ted Lister, Janet Renshaw, 2004 *Essential AS Chemistry for OCR* provides clear progression with challenging material for in depth learning and understanding Written by the best selling authors of *New Understanding Chemistry* these texts have been written in simple easy to understand language and each double page spread is designed in a contemporary manner Fully networkable and editable Teacher Support CD ROMs are also available for this series they contain worksheets marking schemes and practical help *OCR A Level Year 2 Chemistry A Student Guide: Module 6* Mike Smith, 2016-06-06 Exam Board OCR Level A level Subject Chemistry First Teaching September 2015 First Exam June 2017 Written by experienced author Mike Smith this Student Guide for Chemistry Helps students identify what they need to know with a concise summary of the topics examined in the AS and A level specifications Consolidates understanding with tips and knowledge check questions Provides opportunities to improve exam technique with sample answers to exam style questions Develops

independent learning and research skills Provides the content for generating individual revision notes **OCR(A) AS Chemistry Student Unit Guide: Unit F321 Atoms, Bonds and Groups** Mike Smith, 2012-01-13 AS Chemistry Student Unit Guide is the essential study companion for Unit F321 Atoms Bonds and Groups This book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required and exam style questions with graded student responses so you can see clearly what is required to get a better grade **OCR (A) AS Chemistry Student Unit Guide New Edition: Unit F322 Chains, Energy and Resources** Mike Smith, 2012-10-26 Written by a senior examiner Mike Smith this OCR A AS Chemistry Student Unit Guide is the essential study companion for Unit F322 Chains Energy and Resources This full colour book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required exam style questions with graded student responses so you can see clearly what is required to get a better grade *OCR(A) A2 Chemistry Student Unit Guide: Unit F324 Rings, Polymers and Analysis* Mike Smith, 2009-06-26 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 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 **Revise A2 Chemistry for OCR A** Lord Eccles, Wooster, 2005-03-29 With short questions at the end of each section that make students stop and think about the topic this work provides tips on common pitfalls and advice on how to tackle different types of exam question and exam preparation It also includes practice exam style questions Cambridge International AS and A Level Chemistry Peter Cann, Peter Hughes, 2015-03-06 Endorsed by Cambridge Assessment International Education for full syllabus coverage Foster a deeper understanding of theoretical concepts through clear guidance and opportunities for self assessment throughout covers the entire Cambridge International AS A Level Chemistry syllabus 9701 Navigate the different routes through the course with ease with clearly divided sections for AS and A Level Focus learning with learning outcomes clearly defined at the beginning of each section Test knowledge and understanding with past paper and exam style questions Address the Key Concepts in the syllabus which are clearly highlighted throughout the course The Revision and Practice CD included with every Student s Book provides interactive tests summaries of each topic and advice on examination techniques

OCR Twenty First Century Science Dorothy Warren, 2006-06 A revision guide that covers the core content of the OCR Science A single award specification from the Twenty First Century Science Suite Cambridge International AS & A Level Chemistry Student's Book Second Edition Peter Cann, Peter Hughes, 2020-04-27 This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2022 Confidently navigate the updated Cambridge International AS A Level Chemistry 9701 syllabus with a structured approach ensuring that the link between theory and practice is consolidated scientific skills are applied and analytical skills developed Enable students to monitor and build progress with short self assessment questions throughout the student text with answers at the back of the book so students can check their understanding as they work their way through the chapters Build scientific communication skills and vocabulary in written responses with a variety of exam style questions Encourage understanding of historical context and scientific applications with extension boxes in the student text Have confidence that lessons cover the syllabus completely with a free Scheme of Work available online Provide additional practice with the accompanying write in Practical Skills Workbooks which once completed can also be used to recap learning for revision *Revise As and A2 - Chemistry* Rob Ritchie, 2008-10 *Revise AS A2 Chemistry* gives complete study support throughout the two A Level years This Study Guide matches the curriculum content and provides in depth course coverage plus invaluable advice on how to get the best results in the exams *OCR A-level Biology Student Guide: Practical Biology* Richard Fosbery, 2017-05-30 Exam Board OCR Level AS A level Subject Economics First Teaching September 2015 First Exam Summer 2016 Ensure your students get to grips with the core practicals and develop the skills needed to succeed with an in depth assessment driven approach that builds

and reinforces understanding clear summaries of practical work with sample questions and answers help to improve exam technique in order to achieve higher grades Written by experienced teacher Martin Rowland this Student Guide for practical Biology Help students easily identify what they need to know with a concise summary of required practical work examined in the A level specifications Consolidate understanding of practical work methodology mathematical and other skills out of the laboratory with exam tips and knowledge check questions with answers in the back of the book Provide plenty of opportunities for students to improve exam technique with sample answers examiners tips and exam style questions Offer support beyond the Student books with coverage of methodologies and generic practical skills not focused on in the textbooks **Grade Booster CBSE Chemistry Previous Years Solved Question Papers Class 12** Money

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A-level Chemistry Sarah Longshaw,2018-10-01 Exam Board AQA Edexcel CCEA OCR WJEC Eduqas Level A level Subject Chemistry First teaching September 2015 First exams Summer 2017 Master the skills you need to set yourself apart and hit the highest grades this year round course companion develops the higher order thinking skills that top achieving students possess providing step by step guidance examples and tips for getting an A grade Written by experienced author and teacher Sarah Longshaw Aiming for an A in A level Chemistry Helps you develop the A grade skills of analysis evaluation creation and application Takes you step by step through specific skills you need to master in A level Chemistry including scientific reading quantitative and practical skills so you can apply these skills and approach each exam question as an A A candidate Clearly shows how to move up the grades with sample responses annotated to highlight the key features of A A answers Helps you practise to achieve the levels expected of top performing students using in class or homework activities and further reading tasks that stretch towards university level study Perfects exam technique through practical tips and examples of common pitfalls to avoid Cultivates effective revision habits for success with tips and strategies for producing and using revision resources Supports all exam boards outlining the Assessment Objectives for reaching the higher levels under the AQA Edexcel OCR WJEC Eduqas and CCEA specifications **A Level Chemistry For OCR** Pasan Witharana,2022-06 Prepare for OCR A Level Chemistry with over 500 questions answers and mind maps covering various topics Learn everything you need to know for your exams while working on your exam technique This book aims to maximise your revision time by following the high yield revision approach Edited by a specialist OCR examiner the answers in the book follow the marking scheme answer format Learn the subject content through questions and answers Mind maps to consolidate learning for effective revision and maximise study time Practice all question styles including multiple choice extended answer and multi step calculations Learn to answer effectively to score the maximum marks Answers to all practise questions are provided Develop

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Ocr Exam Papers Chemistry: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have enthralled audiences this year. Ocr Exam Papers Chemistry : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens' "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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