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A-level CHEMISTRY

Paper 1 Inorganic and Physical Chemistry

Tuesday 2 June 2020

Afternoon

Time allowed: 2 hours

Materials

For this paper you must have:

- the Periodic Table/Data Booklet, provided as an insert (enclosed)
- a ruler with millimetre measurements
- a scientific calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- All working must be shown.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 105.

For Examiner's Use	
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Research and Practice in Chemistry Education Madeleine Schultz, Siegbert Schmid, Gwendolyn A. Lawrie, 2019-04-06 This book brings together fifteen contributions from presenters at the 25th IUPAC International Conference on Chemistry Education 2018 held in Sydney Written by a highly diverse group of chemistry educators working within different national and institutional contexts with the common goal of improving student learning the book presents research in multiple facets of the cutting edge of chemistry education offering insights into the application of learning theories in chemistry combined with practical experience in implementing teaching strategies The chapters are arranged according to the themes novel pedagogies dynamic teaching environments new approaches in assessment and professional skills each of which is of substantial current interest to the science education communities Providing an overview of contemporary practice this book helps improve student learning outcomes Many of the teaching strategies presented are transferable to other disciplines and are of great interest to the global community of tertiary chemistry educators as well as readers in the areas of secondary STEM education and other disciplines

Parliamentary Debates (Hansard). Great Britain. Parliament. House of Commons, 2013

From GCSEs to EBCs Great Britain. Parliament. House of Commons. Education Committee, 2013 The Government s plans for replacing GCSEs with new English Baccalaureate Certificates in some subjects is trying to do too much too fast Introducing several fundamental changes at the same time and to a tight timetable will jeopardise the quality of the reforms and may threaten the stability of the wider exam system GCSEs need significant improvements in order to restore public confidence in the exam system but the Government still needs to make the case that the GCSE brand is so discredited that it is beyond repair MPs are also concerned about the impact of the changes on subjects outside the English Baccalaureate where students will be taking GCSEs for some time to come according to the Government s plans The report also questions how well the Government s proposals will serve lower attaining pupils who are often the most disadvantaged There is no evidence that the proposed changes will help to tackle under achievement or narrow the attainment gap between the richest and poorest students any more effectively than GCSEs The Government is also called upon to re think its plans for a Statement of Achievement specifically for lower attaining pupils MPs agree that changes are needed to the way in which exams are run but they raise serious concerns about franchising subjects to exam boards The report is critical of the Government s decision to abolish some GCSEs before publishing the outcomes of the National Curriculum Review and its proposed changes to the school accountability system MPs also note the wide ranging stakeholder opposition to many of the Government s proposals

The British National Bibliography Arthur James Wells, 1968

The Times Index , 1997 Indexes the Times Sunday times and magazine Times literary supplement Times

educational supplement Times educational supplement Scotland and the Times higher education supplement *Margaret Thatcher* Charles Moore, 2013-04-25 One of the best political biographies I have ever read Dominic Sandbrook Sunday Times Not For Turning is the first volume of Charles Moore's authorized biography of Margaret Thatcher the longest serving Prime Minister of the twentieth century and one of the most influential political figures of the postwar era Charles Moore's biography of Margaret Thatcher published after her death on 8 April 2013 immediately supercedes all earlier books written about her At the moment when she becomes a historical figure this book also makes her into a three dimensional one for the first time It gives unparalleled insight into her early life and formation especially through her extensive correspondence with her sister which Moore is the first author to draw on It recreates brilliantly the atmosphere of British politics as she was making her way and takes her up to what was arguably the zenith of her power victory in the Falklands This volume ends with the Falklands Dinner in Downing Street in November 1982 Moore is clearly an admirer of his subject but he does not shy away from criticising her or identifying weaknesses and mistakes where he feels it is justified Based on unrestricted access to all Lady Thatcher's papers unpublished interviews with her and all her major colleagues this is the indispensable fully rounded portrait of a towering figure of our times *The British Library General Catalogue of Printed Books, 1986 to 1987* British Library, 1988 Whitaker's Books in Print , 1998 *GCSE Chemistry AQA Practice Papers - Higher* CGP Books, 2011-09-30

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