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Candidate surname		Other names	
Centre Number		Candidate Number	

Pearson Edexcel Level 1/Level 2 GCSE (9–1)
Tuesday 13 June 2023

Morning (Time: 1 hour 45 minutes)

Paper reference	1CH0/2F
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Chemistry
PAPER 2

Foundation Tier

You must have: Calculator, ruler	Total Marks
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Pearson Edexcel Level 1/ Level 2 GCSE (9-1) Chemistry Paper 2 Foundation Tier June 2023
Question Paper

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
 - there may be more space than you need.
- Calculators may be used.
- Any diagrams may NOT be accurately drawn, unless otherwise indicated.
- You must **show all your working out** with **your answer clearly identified** at the end of your solution.

Information

- The total mark for this paper is 100.
- The marks for **each** question are shown in brackets
 - use this as a guide as to how much time to spend on each question.
- In questions marked with an **asterisk** (*), marks will be awarded for your ability to structure your answer logically, showing how the points that you make are related or follow on from each other where appropriate.
- There is a periodic table on the back cover of the paper.

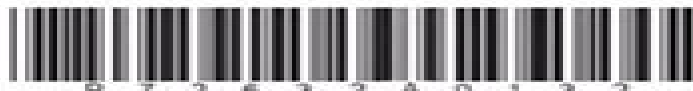
Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ➤

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Grade 1chemistry Paper 2 June 2013

William Shurtleff, Akiko Aoyagi



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solving problems of pedagogy in context Through lesson study teachers are empowered to make decisions to improve pedagogy curriculum and assessment based on evidence of the effect of design on learning Being explicit about the theories of learning underpinning their teaching decisions allows teachers to develop a shared vocabulary for the diagnosis of learning problems redesign and evaluation of learning situations Learning study introduces a new Variation Theory of Learning It provides a framework for teachers to make critical decisions about what is to be learnt and how The fusion of lesson and learning study is changing the nature of professional development and providing teachers with a voice in the field of educational research In Realising Learning teachers teacher educators and policy makers can share the progress achieved by teachers in Asia and Europe to improve teaching and learning

Radiation Technology for Polymers Jiri George Drobny, 2021-04-15 This practical book sets the standard as a valuable time saving resource offering systematic fundamental information about industrial radiation technologies This new edition explores updates to emerging applications of ultraviolet UV and electron beam EB radiation to polymer processing and offers updates throughout to detail changes changes new trends and general issues in radiation technology It presents vital cutting edge information to aid further reduction of volatile organic compounds and toxic substances in the environment develop alternative sources of energy and harness energy in both medical and industrial applications New features of this edition include Stresses the practical aspects of UV EB technology and its industrial application Includes updates on UV radiation processes and applications of UV radiation Explores new engineering data of selected commercial products Written by an expert with over forty years of experience this book would make an excellent resource for scientists and engineers in the fields of materials science and polymer chemistry

Relevant Chemistry Education Ingo Eilks, Avi Hofstein, 2015-07-22 This book is aimed at chemistry teachers teacher educators chemistry education researchers and all those who are interested in increasing the relevance of chemistry teaching and learning as well as students perception of it The book consists of 20 chapters Each chapter focuses on a certain issue related to the relevance of chemistry education These chapters are based on a recently suggested model of the relevance of science education encompassing individual societal and vocational relevance its present and future implications as well as its intrinsic and extrinsic aspects Two highly distinguished chemical educators Ingo Eilks and Avi Hofstein have brought together 40 internationally renowned colleagues from 16 countries to offer an authoritative view of chemistry teaching today Between them the authors in 20 chapters give an exceptional description of the current state of chemical education and signpost the future in both research and in the classroom There is special emphasis on the many attempts to enthuse students with an understanding of the central science chemistry which will be helped by having an appreciation of the role of the science in today's world Themes which transcend all education such as collaborative work communication skills attitudes inquiry learning and teaching and problem solving are covered in detail and used in the context of teaching modern chemistry The book is divided into four parts which describe the individual the societal the vocational and economic

and the non formal dimensions and the editors bring all the disparate leads into a coherent narrative that will be highly satisfying to experienced and new researchers and to teachers with the daunting task of teaching such an intellectually demanding subject Just a brief glance at the index and the references will convince anyone interested in chemical education that this book is well worth studying it is scholarly and readable and has tackled the most important issues in chemical education today and in the foreseeable future Professor David Waddington Emeritus Professor in Chemistry Education University of York United Kingdom *Handbook of Research on Pedagogical Innovations for Sustainable Development*
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