



**ZIMBABWE SCHOOL EXAMINATIONS COUNCIL**  
General Certificate of Education Ordinary Level

**CHEMISTRY**

PAPER 1 Multiple Choice

**4024/1**

**SPECIMEN PAPER** 1 hour

Additional materials:

- Mathematical tables and/or electronic calculator
- Multiple Choice answer sheet
- Soft clean eraser
- Soft pencil (type B or HB is recommended)

**TIME** 1 hour

**INSTRUCTIONS TO CANDIDATES**

**Do not open this booklet until you are told to do so.**

Write your name, Centre number and candidate number on the answer sheet in the spaces provided unless this has already been done for you.

There are forty questions in this paper. Answer **all** questions. For each question, there are four possible answers **A, B, C** and **D**. Choose the **one** you consider correct and record your choice in **soft pencil** on the separate answer sheet.

**Read very carefully the instructions on the answer sheet.**

**INFORMATION FOR CANDIDATES**

Each correct answer will score one mark. A mark will not be deducted for a wrong answer. Any rough working should be done in this booklet.  
A copy of the Periodic Table is printed on page 12.

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# Zimsec Chemistry Paper For June 24

**Xiang Xie**



## **Zimsec Chemistry Paper For June 24:**

**Accessions List, Eastern and Southern Africa** Library of Congress. Library of Congress Office, Nairobi, Kenya, 1997

COVID-19 in Zimbabwe Lazarus Chapungu, David Chikodzi, Kaitano Dube, 2023-01-01 This contributed volume based on papers presented at a conference held in Zimbabwe in mid 2021 interrogates solutions to COVID 19 related problems and issues across agricultural environmental and water sectors in Zimbabwe and assesses their scientific economic and practical validity Across 19 chapters this volume unpacks the science economics and politics of the pandemic with a focus on understanding its secondary and tertiary impact on Zimbabwe s population The volume is also dedicated to understanding the practical and policy oriented approaches in tackling the pandemic and confronting the new normal of COVID 19 It brings together researchers development practitioners and policy makers from various disciplines in an endeavour to understand COVID 19 trends and analyse the scientific options for mitigation containment innovation and ultimately pre empt the possible emergence and impacts of other pandemics in the future Index to Livestock Literature Microfiched in Zimbabwe, 1986

**Food Systems Profile - Zimbabwe** Food and Agriculture Organization of the United Nations, 2022-08-03 Food systems are intimately linked to our lives through the food we eat our nutrition and health our livelihoods jobs and the environment and natural resources of the planet The main challenge for food systems is to produce nutritious food for all while preserving our biodiversity and environment and ensuring equitable distribution of wealth This Food Systems Profile provides a summary of the main food system issues in Zimbabwe and highlights potential solutions for their sustainable and inclusive transformation It is the result of a systemic analysis and stakeholders consultation that was part of a global assessment of food systems in over 50 countries following a joint initiative by the EU FAO and CIRAD which aims at catalyzing the sustainable and inclusive transformation of food systems The Zimbabwe Science News, 1997

**Zimbabwe National Bibliography**, 1990 **Accessions List of the Library of Congress Office, Nairobi, Kenya** Library of Congress. Library of Congress Office, Nairobi, Kenya, 1996 *Bibliography and Index of Geology*, 1986

*Understanding and Managing Urban Water in Transition* Quentin Grafton, Katherine A. Daniell, Céline Nauges, Jean-Daniel Rinaudo, Noel Wai Wah Chan, 2015-05-06 This book examines changes and transitions in the way water is managed in urban environments This book originated from a joint French Australian initiative on water and land management held in Montpellier France The book delivers practical insights into urban water management It links scientific insights of researchers with the practical experiences of urban water practitioners to understand and respond to key trends in how urban water is supplied treated and consumed The 51 contributors to the volume provide a range of insights case studies summaries and analyses of urban water and from a global perspective The first section on water supply and sanitation includes case studies from Zimbabwe France and South Africa among others Water demand and water economics are addressed in the second section of the book with chapters on long term water demand forecasting the social determinants of

water consumption in Australian cities a study of water quality and consumption in France governance and regulation of the urban water sector and more The third section explores water governance and integrated management with chapters on water management in Quebec in the Rotterdam Rijnmond urban area in Singapore and in Australia The final section offers perspectives on challenges and future uncertainties for urban water systems in transition Collectively the diverse insights provide an important step forward in response to the challenges of sustainably delivering water safely efficiently and equitably

**Resources in Education** ,1999 *Micro And Macro-Level Approaches For Assessing The Value of Irrigation Water* Robert C. Johansson,2005 Abstract Many countries are reforming their economies and setting macroeconomic policies that have direct and indirect impact on the performance of the irrigation sector One reason for the movement toward reform in the water sector across countries is that water resources are increasingly becoming a limiting factor for many human activities Another reason for increased pressures to address water policy issues is that many countries are in the process of removing barriers to trade particularly in agricultural commodities Therefore knowledge of the value of water when crafting domestic and macroeconomic policies is important to compare the variable impacts of reform across sectors of the economy and populations within the country Researchers have used many methods for assessing the value of irrigation water This survey reviews a broad literature to ascertain how two basic questions have been addressed by research over the past few decades First what is the value of water across different sectors and levels Second how will this value change under different macroeconomic and domestic policies This survey details a number of methods for approaching these two questions The literature has been organized according to a progression from theoretical underpinnings to empirical approaches to how the value of irrigation services are relevant to the link between globalization and poverty

**Transactions of the Zimbabwe Scientific Association** ,1996 **Business America** ,1991 Includes articles on international business opportunities

**Dare to Invent the Future** Clapperton Chakanetsa Mavhunga,2023-11-21 A rallying manifesto for the innovative problem solving we need to build a better more verdant and sustainable planetary existence Academics are letting Africa down With all that we know what do we have to show for it Whose lives have been changed for the better by it What have we done for and with our communities lately In this provocative book the first in a trilogy Clapperton Chakanetsa Mavhunga argues that our critical thinkers must become actual thinker doers Taking its title from one of Thomas Sankara s most inspirational speeches Dare to Invent the Future looks for moments in Africa s story where precedents of critical thought and knowledge in service of problem solving are evident to inspire readers to dare to invent such a knowledge system Mavhunga revisits insights from Edward Wilmot Blyden Booker T Washington Aim C saire Frantz Fanon Am lcar Cabral Julius Nyerere and Thomas Sankara to illustrate how the academic disciplines have been and could be deployed in the service of and through problem solving building on what people are doing and know At its core he writes knowledge in the service of and through problem solving derives from reading the past for new questions doing due diligence in the present and contriving

an anticipatory approach toward the future Questioning the fundamental premises of Western and white knowledge production especially regarding science and technology Mavhunga proposes in this book refreshingly new approaches to thinking doing that stem from African realities in the hopes of inspiring a generation that will run toward not away from problems to solve them     Biotechnology G. Thottappilly,1992 Need for biotechnology research in Africa Enhancing the genetic base Cell and tissue culture Controlled gene manipulation Using molecular markers Other selected applications of biotechnology Policy issues     **Agrindex** ,1994     **Cumulated Index Medicus** ,1991     Global Newsletter of Underutilized Crops (March 1998) ,     *Selected Water Resources Abstracts* ,1988-05     *The Management of the Zambezi River Basin and Kariba Dam* M. J. Tumbare,2010 This book brings together articles and conference papers on the Zambezi River and Kariba Dam written by Dr Tumbare between 1998 2010 Part I discusses issues of river basin and integrated water resources management and Part II contains papers in infrastructure development in the water and energy sectors

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