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## PHYSICAL SCIENCES PAPER 2 (CHEMISTRY)

GRADE 12

### TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC

2021

#### TABLE OF CONTENTS

|                                                      |     |
|------------------------------------------------------|-----|
| HOW TO USE THIS DOCUMENT .....                       | 2   |
| TERMS AND DEFINITIONS .....                          | 3   |
| QUESTIONS .....                                      | 9   |
| ORGANIC MOLECULES: NOMENCLATURE .....                | 9   |
| ORGANIC MOLECULES: PHYSICAL PROPERTIES .....         | 17  |
| ORGANIC MOLECULES: ORGANIC REACTIONS .....           | 24  |
| REACTION RATE AND ENERGY IN CHEMICAL REACTIONS ..... | 31  |
| CHEMICAL EQUILIBRIUM .....                           | 42  |
| ACIDS AND BASES .....                                | 49  |
| GALVANIC CELLS .....                                 | 56  |
| ELECTROLYTIC CELLS .....                             | 63  |
| ANSWERS TO QUESTIONS .....                           | 68  |
| ORGANIC MOLECULES: NOMENCLATURE .....                | 68  |
| ORGANIC MOLECULES: PHYSICAL PROPERTIES .....         | 74  |
| ORGANIC MOLECULES: ORGANIC REACTIONS .....           | 80  |
| REACTION RATE AND ENERGY IN CHEMICAL REACTIONS ..... | 86  |
| CHEMICAL EQUILIBRIUM .....                           | 96  |
| ACIDS AND BASES .....                                | 107 |
| GALVANIC CELLS .....                                 | 114 |
| ELECTROLYTIC CELLS .....                             | 117 |
| BIBLIOGRAPHY .....                                   | 119 |



# Physical Science Paperpreparatory 2014

**LP Steffe**



## **Physical Science Paperpreparatory 2014:**

Imagination for Inclusion Derek Bland, 2016-02-12 Imagination for Inclusion offers a reconsideration of the ways in which imagination engages and empowers learners across the education spectrum from primary to adult levels and in all subject areas Imagination as a natural expedient and exciting learning tool should be central to any approach to developing and implementing curriculum but is increasingly undervalued as learners progress through the education system this disregards not only imagination's potential but its paramount place in informing truly inclusive approaches to teaching and learning This book presents a new theory of imagination and includes discussion about its application to teaching and learning to increase the engagement of disaffected students and reinvigorate their relationships with curriculum content Chapters include key ideas and discussion surrounding the benefits of introducing imaginative practices into the classroom for learners from a range of marginalised backgrounds such as young people with disabilities and adult learners from socio economically disadvantaged environments In exploring imagination in the practice of inclusive education the book includes chapters from researchers and practitioners in education who have fresh ideas about how learners and teachers have benefited from introducing imaginative pedagogies The diverse collection featuring writers with backgrounds from early childhood to adult education will be essential reading for academics and researchers in the fields of education inclusive education social policy professional development teacher education and creativity It will be of particular interest to current and pre service teachers who want to develop inclusive practice and increase the engagement of all students with formal education

*ECKM2014-Proceedings of the 15th European conference on Knowledge Management* Carla Vivas, 2014-10-01 The world economy in which we are living poses challenges that lead to a realization that more of the same will be difficult to sustain This provides an illustration that in order to create new or modified knowledge practices strengthen customer relationships and thus positively influence customer satisfaction organizations must be flexible in configuring combining knowledge and knowledge structures in a way that is appropriate for delivering value to the customer It must simultaneously develop effective strategies for updating the knowledge of its staff members necessary for underpinning the creation and delivery of appropriate knowledge services Thus unlearning forgetting becomes a critical means for organizational success The ECKM community of scholars has already initiated dialogue that links its particular strengths to innovation issues This conference aims to further that dialogue by attracting leading edge work that leverages the ECKM community's in depth understanding of learning and unlearning to better understand knowledge management Our aim is to stimulate breakthrough research streams linking learning unlearning and knowledge management How can organizations tailor use and extend techniques and tools from knowledge management for improving their business practices and processes Building upon existing work on knowledge management KM and organizational learning the conference will promote interdisciplinary approaches from computer science and information systems business management and organization science as well as cognitive science

Emphasis will be put on systematic learning from experience KM tools and KM success factors A special interest belongs to knowledge management initiatives which are lightweight i e do not place considerable additional burden on users and KM experts allow an incremental adoption i e do not require large up front investment before any return of investment is at least visible and are flexible regarding frequent changes in experts and topics Continuing the success of the ECKM conference series since 2000 the 2015 conference will provide an international communication forum bringing together academia and industry for discussing the progress made and addressing the challenges faced by continuous learning in knowledge intensive organizations

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**Fragile World** William T. Cavanaugh, 2018-05-22 In *Fragile World* Ecology and the Church scholars and activists from Christian communities as far flung as Honduras the Philippines Colombia and Kenya present a global angle on the global ecological crisis in both its material and spiritual senses and offer Catholic resources for responding to it This volume explores the deep interconnections for better and for worse between the global North and the global South and analyzes the relationship among the physical environment human society culture theology and economics the integral ecology described by Pope Francis in *Laudato Si* Integral ecology demands that we think deeply about humans and the physical environment but also about the God who both created the world and sustains it in being At its root the ecological crisis is a theological crisis not only in the way that humans regard creation and their place in it but in the way that humans think about God For Pope Francis in *Laudato Si* the root of the crisis is that we humans have tried to put ourselves in God's place According to Pope Francis therefore A fragile world entrusted by God to human care challenges us to devise intelligent ways of directing developing and limiting our power

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*Internet of Things. User-Centric IoT* Raffaele Giaffreda, Radu-Laurentiu Vieriu, Edna Pasher, Gabriel Bendersky, Antonio J. Jara, Joel J.P.C. Rodrigues, Eliezer Dekel, Benny

Mandler, 2015-06-25 The two volume set LNICST 150 and 151 constitutes the thoroughly refereed post conference proceedings of the First International Internet of Things Summit IoT360 2014 held in Rome Italy in October 2014 This volume contains 74 full papers carefully reviewed and selected from 118 submissions at the following four conferences the First International Conference on Cognitive Internet of Things Technologies COIOTE 2014 the First International Conference on Pervasive Games PERGAMES 2014 the First International Conference on IoT Technologies for HealthCare HealthyIoT 2014 and the First International Conference on IoT as a Service IoTaaS 2014 The papers cover the following topics user centric IoT artificial intelligence techniques for the IoT the design and deployment of pervasive games for various sectors such as health and wellbeing ambient assisted living smart cities and societies education cultural heritage and tourism delivery of electronic healthcare patient care and medical data management smart objects networking considerations for IoT platforms for IoTaaS adapting to the IoT environment modeling IoTaaS machine to machine support in IoT

**Climate Change, Disasters, Sustainability Transition and Peace in the Anthropocene** Hans Günter Brauch, Úrsula Oswald Spring, Andrew E. Collins, Serena Eréndira Serrano Oswald, 2018-09-14 This book provides insight into Anthropocene related studies by IPRA s Ecology and Peace Commission The first three chapters discuss the linkage between disasters and conflict risk reduction responses to socio environmental disasters in high intensity conflict scenarios and the fragile state of disaster response with a special focus on aid state society relations in post conflict settings The two following chapters analyse climate smart agriculture and a sustainable food system for a sustainable engendered peace and the ethnology of select indigenous cultural resources for climate change adaptation focusing on the responses of the Abagusii in Kenya A specific case study focuses on social representations and the family as a social institution in transition in Mexico while the last chapter deals with sustainable peace through sustainability transition as transformative science concluding with a peace ecology perspective for the Anthropocene

*Subversion 2.0* Christopher Whyte, 2024 Why are conspiracy theories extremist rhetoric and acts of antagonism by fringe elements of society so much more visible today than in years past In *Subversion 2.0* Christopher Whyte makes the case that leaderlessness characterized by an evolving and uneven feedback loop linking fringe spaces to mainstream elite rhetoric and popular discourse has emerged as the default format of subversive activity in the digital age By examining the uneven feedback loop of leaderlessness Whyte argues that social Internet platforms act as a vehicle for transmitting and amplifying extreme rhetoric but often fail to moderate extremism in turn

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## **Table of Contents Physical Science Paperpreparatory 2014**

1. Understanding the eBook Physical Science Paperpreparatory 2014
  - The Rise of Digital Reading Physical Science Paperpreparatory 2014
  - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paperpreparatory 2014
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Physical Science Paperpreparatory 2014
  - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paperpreparatory 2014
  - Personalized Recommendations
  - Physical Science Paperpreparatory 2014 User Reviews and Ratings
  - Physical Science Paperpreparatory 2014 and Bestseller Lists
5. Accessing Physical Science Paperpreparatory 2014 Free and Paid eBooks
  - Physical Science Paperpreparatory 2014 Public Domain eBooks
  - Physical Science Paperpreparatory 2014 eBook Subscription Services
  - Physical Science Paperpreparatory 2014 Budget-Friendly Options
6. Navigating Physical Science Paperpreparatory 2014 eBook Formats

- ePub, PDF, MOBI, and More
- Physical Science Paperpreparatory 2014 Compatibility with Devices
- Physical Science Paperpreparatory 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Physical Science Paperpreparatory 2014
  - Highlighting and Note-Taking Physical Science Paperpreparatory 2014
  - Interactive Elements Physical Science Paperpreparatory 2014
- 8. Staying Engaged with Physical Science Paperpreparatory 2014
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Physical Science Paperpreparatory 2014
- 9. Balancing eBooks and Physical Books Physical Science Paperpreparatory 2014
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Physical Science Paperpreparatory 2014
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Paperpreparatory 2014
  - Setting Reading Goals Physical Science Paperpreparatory 2014
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Paperpreparatory 2014
  - Fact-Checking eBook Content of Physical Science Paperpreparatory 2014
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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