



basic education

MEMO

Department:

Basic Education

REPUBLIC OF SOUTH AFRICA

GEOGRAPHY PAPER 2

MEMO

2022

MEMO

**NATIONAL
SENIOR CERTIFICATE**

Memorandum Of Geo P2 Grade1

C Cleary



Memorandum Of Geo P2 Grade1:

Memorandum Of Geo P2 Grade1 Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Memorandum Of Geo P2 Grade1**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

https://www.splashdogs.com/book/Resources/default.aspx/guilty_pleasures_book_1.pdf

Table of Contents Memorandum Of Geo P2 Grade1

1. Understanding the eBook Memorandum Of Geo P2 Grade1
 - The Rise of Digital Reading Memorandum Of Geo P2 Grade1
 - Advantages of eBooks Over Traditional Books
2. Identifying Memorandum Of Geo P2 Grade1
 - 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 Memorandum Of Geo P2 Grade1
 - User-Friendly Interface
4. Exploring eBook Recommendations from Memorandum Of Geo P2 Grade1
 - Personalized Recommendations
 - Memorandum Of Geo P2 Grade1 User Reviews and Ratings
 - Memorandum Of Geo P2 Grade1 and Bestseller Lists
5. Accessing Memorandum Of Geo P2 Grade1 Free and Paid eBooks

- Memorandum Of Geo P2 Grade1 Public Domain eBooks
- Memorandum Of Geo P2 Grade1 eBook Subscription Services
- Memorandum Of Geo P2 Grade1 Budget-Friendly Options
- 6. Navigating Memorandum Of Geo P2 Grade1 eBook Formats
 - ePub, PDF, MOBI, and More
 - Memorandum Of Geo P2 Grade1 Compatibility with Devices
 - Memorandum Of Geo P2 Grade1 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Memorandum Of Geo P2 Grade1
 - Highlighting and Note-Taking Memorandum Of Geo P2 Grade1
 - Interactive Elements Memorandum Of Geo P2 Grade1
- 8. Staying Engaged with Memorandum Of Geo P2 Grade1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Memorandum Of Geo P2 Grade1
- 9. Balancing eBooks and Physical Books Memorandum Of Geo P2 Grade1
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Memorandum Of Geo P2 Grade1
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Memorandum Of Geo P2 Grade1
 - Setting Reading Goals Memorandum Of Geo P2 Grade1
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Memorandum Of Geo P2 Grade1
 - Fact-Checking eBook Content of Memorandum Of Geo P2 Grade1
 - 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

Memorandum Of Geo P2 Grade1 Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Memorandum Of Geo P2 Grade1 PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and

empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Memorandum Of Geo P2 Grade1 PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Memorandum Of Geo P2 Grade1 free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Memorandum Of Geo P2 Grade1 Books

What is a Memorandum Of Geo P2 Grade1 PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Memorandum Of Geo P2 Grade1 PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Memorandum Of Geo P2 Grade1 PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Memorandum Of Geo P2 Grade1 PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Memorandum Of Geo P2 Grade1 PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic

PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Memorandum Of Geo P2 Grade1 :

~~guilty pleasures book 1~~

~~guided activity 2 us history answers~~

~~guided reading and study workbook chapter 19~~

guided activity 9 answer key

guided activity 7 3 renaissance art

~~guided practice activities 2b 1-77 answers realidades 1~~

guided cycling tours australia

guided reading activity 15 answer key

guided tours in moscow

guided and study workbook practice problem

guided american struggle with postwar issues

guide tregraves pratique de la sagemaman

guided reading review work answers american

gulfstream g650 training manual

guided the reformation continues the answer

Memorandum Of Geo P2 Grade1 :

libertango string quartet sheet music for violin viola cello - Jul 03 2023

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by jhk123 for violin viola cello string quartet libertango string quartet sheet music for violin viola cello string quartet musescore com

libertango astor piazzolla string quartet sheet music plus - Jul 23 2022

web violin viola cello string quartet intermediate digital download sku h0 129943 141739 arranged by daniel moretti score set of parts 22 pages published by daniel moretti h0 129943 141739 libertango for string quartet 2016 arranging contest entry

piazzolla libertango sheet music for guitar solo - Sep 05 2023

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by wvanrumpt for guitar solo

libertango chords by astor piazzolla ultimate guitar com - Feb 15 2022

web jun 13 2021 libertango chords by astor piazzolla 20 071 views added to favorites 164 times author bavny a 3 278 last edit on jun 13 2021 view official tab we have an official libertango tab made by

a piazzolla libertango by tatyana s guitar quartet youtube - Oct 06 2023

web nov 21 2014 shop the tatyana ryzhkova guitar music and lessons store piazzolla tango tatyanyrzhkovajoin our patreon community at patreon com tatyanalibertango astor piazzolla by

free libertango by astor piazzolla sheet music musescore com - Mar 31 2023

web piazzolla libertango share download and print free sheet music for piano guitar flute and more with the world s largest community of sheet music creators composers performers music teachers students beginners artists and other musicians with over 1 000 000 sheet digital music to play practice learn and enjoy

libertango sheet music 17 arrangements available instantly - Aug 24 2022

web astor piazzolla jacob koller aysedeniz gokcin and 7 more browse our 17 arrangements of libertango sheet music is available for piano voice guitar and 8 others with 9 scorings and 2 notations in 9 genres find your perfect arrangement and access a variety of transpositions so you can print and play instantly anywhere

libertango wikipedia - Sep 24 2022

web astor piazzolla libertango is a composition by tango composer and bandoneon player astor piazzolla recorded and published in 1974 in milan the title is a portmanteau merging libertad spanish for liberty and tango symbolizing piazzolla s break from classical tango to tango nuevo

astro guitar quartet libertango astor piazzolla youtube - Jun 21 2022

web 0 00 3 16 astro guitar quartet libertango astor piazzolla yeri cho 82 subscribers subscribe 3k views 8 years ago

libertango piazzolla guitarquartet astro guitar quartet □□□

libertango astor piazzolla arr nobuyuki hirakura guitar quartet - Feb 27 2023

web apr 3 2020 libertango astor piazzolla arr nobuyuki hirakura guitar quartet monching carpio 6 46k subscribers 2 6k

views 3 years ago glazbene večeri kod sv jeronima 2 3k views 2 years ago

libertango astor piazzolla for quintet musescore com - Jan 29 2023

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by egg for piano accordion violin clarinet other mixed quartet

alachua guitar quartet libertango youtube - Oct 26 2022

web jun 15 2015 the alachua guitar quartet agq performing libertango astor piazzolla and arranged by ulisses rocha the agq provides a unique interpretation of brazilian

libertango astor piazzolla guitar tab musescore com - Jun 02 2023

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by timtimgtomato for guitar solo libertango astor piazzolla guitar tab sheet music for guitar solo musescore com

libertango piazzolla sheet music for flute guitar mixed duet - Nov 26 2022

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by pamija for flute guitar mixed duet

piazzolla libertango classic fm - May 01 2023

web piazzolla libertango recorded and published in 1974 in milan this sultry tango marks a change in style for composer astor piazzolla from classical tango to nuevo tango while you might not be familiar with the term nuevo tango you ll probably recognise this catchy number from argentine composer piazzolla he revolutionised tango music

104 results in searchworks catalog - Mar 19 2022

web all catalog articles website more in one search catalog books media more in the stanford libraries collections articles journal articles other e resources

astor piazzolla libertango guitart quartet friends - Apr 19 2022

web mar 22 2009 astor piazzolla libertango guitart quartet friendslive in pisa italy 17 3 09 chitarra e oltre 2009 guitart quartetlucio matarazzooscar bellomogianvit

libertango astor piazzolla libertango sheet music for flute guitar - Dec 28 2022

web cyprus download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by camymaccarini for flute guitar mixed duet

libertango 4 gts guitarraul - May 21 2022

web guitar quartet libertango is a composition by tango composer astor piazzolla recorded and published in 1974 in milan libertango piazzolla slurs barres change of position high positions with optional bass valid for guitar orchestra duration 4 25 difficulty medium difficult particellas 9 score 6 download demo add to cart

libertango piazzolla for guitar duet with tabs musescore com - Aug 04 2023

web download and print in pdf or midi free sheet music for libertango by astor piazzolla arranged by ignacioacr for guitar mixed quartet libertango piazzolla for guitar duet with tabs sheet music for guitar mixed quartet musescore com

manual testing training fundamentals of testing singapore - Mar 04 2022

web manual testing training course outline module 1 introduction to manual testing basics of software testing covering manual and automatic software test engineer role and

mom oshd 2021 01 22 january 2021 ministry of manpower - Aug 09 2022

web with phase three of safe re opening the in person wsh training for the list of courses at annex a shall resume strict adherence to the cohorting requirements must be observed

managing obstetric emergencies and trauma the moet - Dec 13 2022

web jul 2 2009 doi org 10 1080 01443610701840976 full article figures data citations metrics reprints permissions get access managing obstetric

moet meanings what does moet stand for all acronyms - Apr 05 2022

web most common moet abbreviation full forms updated in november 2023 suggest moet meaning what does moet mean as an abbreviation 22 popular meanings of moet

managing obstetric emergencies and trauma the moet - Jul 20 2023

web the managing obstetric emergencies and trauma moet course teaches the practical skills and procedures needed to save the mother and fetus in life threatening

the moet course manual managing obstetric emergencies and - Feb 15 2023

web this manual covers life threatening emergencies of pregnancy in a systematic and comprehensive way teaching the skills and procedures needed to save the mother and

managing obstetric emergencies and trauma the moet course - Jun 19 2023

web managing obstetric emergencies and trauma the moet course manual publication date 2007 topics notfallmedizin complicaties schwangerschaft obstetrical emergencies

managing obstetric emergencies and trauma the moet course - Mar 16 2023

web feb 15 2017 managing obstetric emergencies and trauma the moet course manual revised 3rd edition edited by sara paterson brown and charlotte howell cambridge

managing obstetric emergencies and trauma the moet - Oct 11 2022

web managing obstetric emergencies and trauma the moet course manual 80 31 3 usually dispatched within 3 to 4 days the managing obstetric emergencies and trauma

managing obstetric emergencies and trauma the moet - Apr 17 2023

web the manual provides readers with a structured preparation and revision system for the course it provides essential anatomical physiological and pathological information

managing obstetric emergencies and trauma the moet course - Oct 23 2023

web feb 15 2017 managing obstetric emergencies and trauma the moet course manual is an evidence based text that serves as the foundation for the moet course this course

pgme postgraduate medical education - Jun 07 2022

web if you want to attend in another centre please visit the mmoet pages on the clinical courses administrator susanne andrews email uhsussex cmec clinicalskills nhs net

news 2016 moet rebranded and relaunched as mmoet - Sep 10 2022

web the newly named managing medical and obstetric emergencies and trauma mmoet course has been renamed to highlight the medical emergencies together with the

managing obstetric emergencies and trauma the moet - Nov 12 2022

web apr 1 2004 by richard johanson charles cooks kate grady and charlotte howell rcog press 2003 this book is a manual used at the courses on managing obstetric

managing obstetric emergencies and trauma the moet - Jan 14 2023

web click on the article title to read more

managing obstetric emergencies and trauma moet course - Aug 21 2023

web jun 16 2016 the moet course manual 3rd edition editors sara paterson brown queen charlotte s hospital imperial healthcare charlotte howell university hospital of north

what does moet mean definitions net - Feb 03 2022

web definition of moet in the definitions net dictionary meaning of moet what does moet mean information and translations of moet in the most comprehensive dictionary

gemt global education of manual therapists singapore - Jul 08 2022

web july 24 2022 gemt global education of manual therapists singapore singapore providing comprehensive safe dry needling courses to manual therapists around

managing obstetric emergencies and trauma moet course - Jan 02 2022

web managing obstetric emergencies and trauma the moet course manual 3rd edition editors sara paterson brown queen charlotte s hospital imperial healthcare

managing obstetric emergencies and trauma the moet course - May 18 2023

web the moet course manual is an evidence based text that serves as the foundation for the moet course this course dates as far back as 2001 in the united kingdom and is now

managing obstetric emergencies and trauma the moet - Sep 22 2023

web the managing obstetric emergencies and trauma moet course teaches the practical skills and procedures needed to save the mother and fetus in life threatening

basic manual wheelchair maintenance singapore polytechnic - May 06 2022

web jan 30 2023 4 identify the different tools used to service and maintain wheelchairs 5 use appropriate tools to service and maintain wheelchairs according to the organisations

ib chemistry sl 2024 past papers revision village - Sep 06 2023

web ib chemistry sl 2024 past papers in the past papers section you will find full worked solutions to the questions asked on previous ib chemistry sl standard level 2024 exams within each video an experienced ib teacher

diploma sample exam papers international baccalaureate - Nov 27 2022

web jul 4 2023 sample exam papers last updated 04 july 2023 the following are examples of actual past examination papers and a selection of specimen examination papers they are provided for information only

the complete ib chemistry syllabus sl and hl prepscholar - Jul 24 2022

web the complete ib chemistry syllabus sl and hl posted by dora seigel feb 2 2022 11 00 00 am international baccalaureate ib
ib chemistry is tough if you are reading this syllabus i assume you are interested in potentially taking this course or you are currently enrolled in the course

ib chemistry sl past papers updated 2023 nail ib - Jan 30 2023

web ib chemistry sl past papers automated past papers for ib students who have opted for chemistry sl here s your secret weapon for acing your chemistry sl paper 1 11 chapters 29 topics 2016 questions 67 2 hrs worth of practice material chapter 1 stoichiometric relationships free 207 questions chapter 2 atomic structure

where to find ib chemistry past papers free and official - Feb 28 2023

web where to find paid tests and past papers the ibo store sells ib chemistry sl and hl past papers from may 2015 to november 2021 navigate to the diploma program page then search chemistry exam this is the only safe place to

chemistry standard level paper 3 papacambridge - Feb 16 2022

web a calculator is required for this paper a clean copy of the chemistry data booklet is required for this paper the maximum mark for this examination paper is 40 marks option uestions option a modern analytical chemistry 1 3 option b human biochemistry 4 8 option c chemistry in industry and technology 9 12

ib chemistry past papers questions by topic save my exams - May 22 2022

web sl ib chemistry revision notes our expert ib teachers examiners have written revision notes practice questions tips for your ib exams to help you get the best grades possible

[international baccalaureate ib chemistry sl past papers](#) - Aug 05 2023

web international baccalaureate ib chemistry subject comes under science group of ib diploma programme after 10th or secondary education here high school or ib students will get all the guidance notes and the past papers of ib chemistry that will help you to understand about the level of this test and to achieve high score in exam

ib sl hl chem smashingscience org - Jul 04 2023

web ib chemistry revision booklets for may 2021 exams using the latest exam papers broken down by topic about 1000 pages higher level paper 1 2019 to 2016 224 pages [click here](#) higher level paper 2 2019 to 2015 314 pages [click here](#)

[ib chemistry sl past paper](#) - Dec 29 2022

web ib chemistry sl past papers updated 2022 revision village 1 week ago krbto com web ib chemistry sl 2024 past papers in the previous papers section you want find full sized worked solutions to the questions asked on previous ib chemistry sl 2024 121 show detail preview view more

ibdp chemistry standard level sl question bank with - May 02 2023

web topic 1 stoichiometric relationships 1 1 introduction to the particulate nature of matter and chemical change 1 2 the mole concept 1 3 reacting masses and volumes topic 2 atomic structure 2 1 the nuclear atom 2 2 electron configuration topic 3 periodicity 3 1 periodic table 3 2 periodic trends topic 4 chemical bonding and structure

ib chemistry sl mcqs topic wise ib chemistry past papers - Jun 03 2023

web ib chemistry past paper solution ib chemistry paper 1 solution paper 1 step wise solution ib chemistry topic wise solution ib chemistry sl study pack sample question paper sample solution unit 1 stoichiometric relationships sl stoichiometric relationships mcq sl qb

chemistry sl online mcqs ib chemistry past papers worked - Apr 01 2023

web ib chemistry past paper solution ib chemistry sl online mcq s exam mode and prectice mode on screen solution topic wise mcq s solution

november 2013 ib exam papers xtremepapers - Aug 25 2022

web mar 19 2015 hello everyone i have been looking really hard for the november 2013 past papers but i couldn t find them can somebody please send me november 2013 papers for biology hl chemistry hl math sl economics sl english b hl and if you can also find arabic a sl i would really appreciate it

[dp chemistry ibdp sl hl chemistry google sites](#) - Oct 27 2022

web topic2 sl hl syllabus download useful files atomic theory ppt download atomic theory isotopes ppt download atomic

structure ppt download materials topic 2 sl past papers

ib sl chemistry 2013 paper book yearbook ladieseuropetour - Mar 20 2022

web ib sl chemistry 2013 paper the enigmatic realm of ib sl chemistry 2013 paper unleashing the language is inner magic in a fast paced digital era where connections and knowledge intertwine the enigmatic realm of language reveals its inherent magic its capacity to stir emotions ignite contemplation and catalyze profound transformations is

dp ib chemistry sl 2016 save my exams - Apr 20 2022

web progress tracking model answers video solutions made by examiners questions model answers made by experienced teachers free chemistry revision notes on elements compounds mixtures designed by the teachers at save my exams for the ib

ib chemistry sl past papers last 10 years updated 2022 - Sep 25 2022

web practice ib chemistry sl past papers at iitianacademy detailed solution prepared by ib physics teachers and subject matter experts

dp chemistry sl paper 3 section a questions thinkib net - Jun 22 2022

web oct 3 2023 2014 dp chemistry last exam nov 2024 fast track to tests questions sl paper 3 section a questions section a on paper 3 is worth 15 marks and will contain a data response question and one or more short answer questions on

ib sl 10 eq 16w to 99s p2 section a b 433marks ib chemistry - Jan 18 2022

web sl paper 1 percentage of all marks awarded for each topic from w2012 to w2014 tz 0 1 2 red crosses and for p1 just in 2016 s w and sp green 16 0 14 0 12 0 10 0 8 0 6 0 4 0 2 0 0 0 chem chem chem 1 chem 2 chem 3 chem 4 chem 5 chem 6 chem 7 chem 8 chem 9 p1 2016