



Province of the
EASTERN CAPE
EDUCATION



The Path to Enlightened Education

PHYSICAL SCIENCES

PAPER 2 AND PAPER 1

GRADE 12

TERMS & DEFINITIONS

**QUESTIONS & ANSWERS
PER TOPIC**

2019

AUTUMN CLASSES WEEK 1

This document consists of 33 pages.



Terms, definitions, questions & answers

studocu

MAREMATIKU
LAPORAN DOKUMEN

Physical Science Grade 12nov 2013 Ecexams

S Ashworth



Physical Science Grade 12nov 2013 Ecexams:

This is likewise one of the factors by obtaining the soft documents of this **Physical Science Grade 12nov 2013 Ecexams** by online. You might not require more time to spend to go to the ebook instigation as without difficulty as search for them. In some cases, you likewise reach not discover the revelation Physical Science Grade 12nov 2013 Ecexams that you are looking for. It will enormously squander the time.

However below, behind you visit this web page, it will be as a result unconditionally simple to acquire as with ease as download guide Physical Science Grade 12nov 2013 Ecexams

It will not understand many get older as we run by before. You can pull off it even if fake something else at house and even in your workplace. fittingly easy! So, are you question? Just exercise just what we provide below as competently as review **Physical Science Grade 12nov 2013 Ecexams** what you in imitation of to read!

<https://hersolutiongelbuy.com/About/detail/fetch.php/stratium%20une%20theacuterie%20de%20la%20personne.pdf>

Table of Contents Physical Science Grade 12nov 2013 Ecexams

1. Understanding the eBook Physical Science Grade 12nov 2013 Ecexams
 - The Rise of Digital Reading Physical Science Grade 12nov 2013 Ecexams
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Grade 12nov 2013 Ecexams
 - 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 Grade 12nov 2013 Ecexams
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Grade 12nov 2013 Ecexams

- Personalized Recommendations
 - Physical Science Grade 12nov 2013 Ecexams User Reviews and Ratings
 - Physical Science Grade 12nov 2013 Ecexams and Bestseller Lists
5. Accessing Physical Science Grade 12nov 2013 Ecexams Free and Paid eBooks
 - Physical Science Grade 12nov 2013 Ecexams Public Domain eBooks
 - Physical Science Grade 12nov 2013 Ecexams eBook Subscription Services
 - Physical Science Grade 12nov 2013 Ecexams Budget-Friendly Options
 6. Navigating Physical Science Grade 12nov 2013 Ecexams eBook Formats
 - ePub, PDF, MOBI, and More
 - Physical Science Grade 12nov 2013 Ecexams Compatibility with Devices
 - Physical Science Grade 12nov 2013 Ecexams Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physical Science Grade 12nov 2013 Ecexams
 - Highlighting and Note-Taking Physical Science Grade 12nov 2013 Ecexams
 - Interactive Elements Physical Science Grade 12nov 2013 Ecexams
 8. Staying Engaged with Physical Science Grade 12nov 2013 Ecexams
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Grade 12nov 2013 Ecexams
 9. Balancing eBooks and Physical Books Physical Science Grade 12nov 2013 Ecexams
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Grade 12nov 2013 Ecexams
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Physical Science Grade 12nov 2013 Ecexams
 - Setting Reading Goals Physical Science Grade 12nov 2013 Ecexams
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Physical Science Grade 12nov 2013 Ecexams

-
- Fact-Checking eBook Content of Physical Science Grade 12nov 2013 Ecexams
 - 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

Physical Science Grade 12nov 2013 Ecexams Introduction

Physical Science Grade 12nov 2013 Ecexams Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Physical Science Grade 12nov 2013 Ecexams Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Physical Science Grade 12nov 2013 Ecexams : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Physical Science Grade 12nov 2013 Ecexams : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Physical Science Grade 12nov 2013 Ecexams Offers a diverse range of free eBooks across various genres. Physical Science Grade 12nov 2013 Ecexams Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Physical Science Grade 12nov 2013 Ecexams Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Physical Science Grade 12nov 2013 Ecexams, especially related to Physical Science Grade 12nov 2013 Ecexams, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Physical Science Grade 12nov 2013 Ecexams, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Physical Science Grade 12nov 2013 Ecexams books or magazines might include. Look for these in online stores or libraries. Remember that while Physical Science Grade 12nov 2013 Ecexams, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Physical Science Grade 12nov 2013 Ecexams eBooks for free, including popular titles. Online

Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Physical Science Grade 12nov 2013 Ecexams full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Physical Science Grade 12nov 2013 Ecexams eBooks, including some popular titles.

FAQs About Physical Science Grade 12nov 2013 Ecexams Books

1. Where can I buy Physical Science Grade 12nov 2013 Ecexams books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Physical Science Grade 12nov 2013 Ecexams book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Physical Science Grade 12nov 2013 Ecexams books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Physical Science Grade 12nov 2013 Ecexams audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores.

Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.

9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Physical Science Grade 12nov 2013 Ecexams books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Physical Science Grade 12nov 2013 Ecexams :

[stratium une theacutecorie de la personne](#)

story town resources grade 4 study guides

[strong in the storm lessons from the persecuted church](#)

[stride rite shoe owners manual](#)

[str de995 service manual](#)

stout power tool battery repair guide rebuild stout nicad battery

stronger the university of gatica series book english edition

structure of bone laboratory report 1 worksheet answers

[student appreciation candy poem](#)

[stratus jx service manual](#)

strategic modelling and business dynamics

[strength of materials j p den hartog](#)

strateacutegies et changement strateacutegie politique de lentreprise

[student exploration comparing earth and venus answers](#)

stryker renaissance parts manual

Physical Science Grade 12nov 2013 Ecexams :

view all locations exxonmobil - Jun 01 2022

web search job opportunities by location follow this link to reach our job search page to search for available jobs in a more accessible format

contact us exxonmobil - Jul 02 2022

web questions talk to someone find contact information for products and sales customer service media global production and more

exxonmobil security report and data breaches upguard - Feb 09 2023

web this is a 0 950 security rating for exxonmobil the higher the rating the more likely exxonmobil has good security practices for complete visibility of the security posture of exxonmobil start a free trial of upguard

workplace security exxonmobil - Aug 15 2023

web workplace security exxonmobil s robust security measures are designed to protect our personnel including senior executives and facilities from threats our security programs comply with regulations are risk based flexible and responsive to the environments in

turkey exxonmobil - Jul 14 2023

web our history over the past 140 years exxonmobil has evolved from a regional marketer of kerosene in the u s to one of the largest publicly traded petroleum and petrochemical enterprises in the world who we are article exxon mobil corporation has numerous affiliates with many names that include exxonmobil exxon mobil esso and xto for

exxonmobil - Sep 04 2022

web exxonmobil

travel tips and tricks for an easier journey exxon and mobil - Jun 13 2023

web tips for your journey making life on the go a little easier whether you re running errands picking up the kids or taking a trip out of town here are a few simple tips tricks and short cuts to help make your life on the go just a little bit easier

gizlilik bildirisi exxonmobil - Oct 05 2022

web exxonmobil tedarik faaliyetleri için küresel tedarik platformu olarak hizmet veren smart by gep sitesi ve tümü bu gizlilik bildirimine atıfta bulunan diğer ilgili formlar sistemler ve uygulamalar bu siteler uygulamalar ve sistemler topluca site olarak anılır ve örneğin exxonmobil in bir müşterisi veya başka bir harici

exxonmobil global security salaries glassdoor - Jan 28 2022

web jun 14 2023 the estimated total pay for a global security at exxonmobil is 182 051 per year this number represents the median which is the midpoint of the ranges from our proprietary total pay estimate model and based on salaries collected from our users the estimated base pay is 136 974 per year

exxonmobil employee reviews for security officer indeed - Mar 30 2022

web reviews from exxonmobil employees about working as a security officer at exxonmobil learn about exxonmobil culture salaries benefits work life balance management job security and more

cybersecurity in energy industry q a energy factor - Apr 30 2022

web jun 17 2021 the digital watchtower 06 17 2021 with over 100 major cyberattacks reported in the united states since the start of the year including well publicized ransomware attacks on an american oil pipeline and an international beef supplier the public is coming to understand how much cybersecurity can affect their everyday lives

exxonmobil wiki - Feb 26 2022

web exxon mobil corporation ya da exxonmobil amerikan çok uluslu petrol ve doğalgaz şirketi Şirketin ana merkezi irving tekkas abd de bulunmaktadır Şirket doğrudan john d rockefeller in standard oil company şirketinin kökeninden gelmektedir ve 30 kasım 1999 tarihinde exxon ve mobil petrol

global security advisor - Jan 08 2023

web what you will do conduct an overall assessment of site security programs identifying gaps and working with the client to mitigate risks as appropriate conduct and coordinate investigations prepare threat assessments security reviews and corporate intelligence communications

safety security health and environment career path exxonmobil - May 12 2023

web the security group supports the delivery of superior security performance through some of the world s most robust security programs this group also implements security measures that take into account perceived risks countermeasures relationships with local communities and compliance with applicable laws

kİŞİSEL verİLERİN İŞlenmesİne İLİŞKİN aydinlatma - Aug 03 2022

web kİŞİSEL verİLERİN İŞlenmesİne İLİŞKİN aydinlatma bİldİRİMİ exxonmobil corporation abd ve mobil oil türk a Ş dahil İştirak şirketleri exxonmobil bu web sitesine ve dİğer ilgili ya da link baęlantılı exxonmobil sitelerine site göstermiş olduęunuz ilgiye teşekkür eder kişisel verileriniz ve bunlara

california sues exxon shell bp on deception claims nyt says - Dec 27 2021

web 10 hours ago september 15 2023 at 9 06 pm pdt california has sued some of the world s biggest oil companies claiming that they have misled the public the new york times reported friday citing a court

exxonmobil - Apr 11 2023

web exxon mobil corporation xom 113 95 0 56 0 49 4 00pm et sept 7 2023 the need for energy is universal that s why exxonmobil scientists and engineers are pioneering new research and pursuing new technologies to reduce emissions while creating more efficient fuels we re committed to responsibly meeting the world s energy needs

safety security health and environment exxonmobil - Dec 07 2022

web safety security health and environment safety is a core value that defines our culture it applies to every aspect of our global operations we strive to keep our workforce and facilities secure in an ever changing environment support the health of

our workforce as an on site industrial hygienist nurse or physician

u s employee benefits careers ExxonMobil - Mar 10 2023

web u s employee benefits we know that life happens ExxonMobil offers benefits and policies to cover every situation that means world class compensation and benefits built on our core categories of health security finance and life

Mobil Travel Guide goes mobile Exxon Mobil Corporation - Nov 06 2022

web nov 1 2005 travelers can now keep Mobil TravelGuide s highest quality information at their fingertips Mobil Travel Guide is immediately releasing 10 of its popular guides in the new format known as Spot Guides™ a mobile technology developed by Chicago based EarthComber LLC

Night School Resistance Number 4 in Series Google Books - Mar 08 2023

web now most of the students have deserted the school the teachers can t be trusted and guards are in charge worse Nathaniel is close very close to getting everything he

Night School Resistance by C J Daugherty YouTube - Sep 02 2022

web jun 5 2014 the official book trailer for Night School Resistance book four in C J Daugherty s international bestselling Night School series download Night School re

Resistance Night School 4 audiobook free by C J Daugherty - Jan 26 2022

web jun 30 2021 hi are you looking for Resistance audiobook if yes you are in the right place scroll down to audio player section below you will find the audio of this book

Night School Resistance Number 4 in Series English - May 30 2022

web may 21 2023 Night School Resistance Number 4 in Series English right here we have countless ebook Night School Resistance Number 4 in Series English and collections

Night School Resistance Number 4 in Series Kindle - Feb 07 2023

web Night School Resistance Number 4 in Series ebook Daugherty C J Amazon.co.uk Kindle Store

Night School Resistance Number 4 in Series Paperback - Apr 09 2023

web Night School Resistance Number 4 in Series Daugherty C J Amazon.co.uk Books

Night School Resistance Number 4 in Series English edition by - Jun 30 2022

web Night School Resistance Number 4 in Series by C J The Top High School Quarterbacks Pete for a spot on the elite 11 NFL Network Christi Daugherty Minecraft Type Moon Wiki Fandom

Night School Resistance by C J Daugherty audiobook - Jan 06 2023

web Night School Resistance as it s meant to be heard narrated by Sophia Eleni discover the English audiobook at Audible free trial available

night school resistance number 4 in series google play - May 10 2023

web night school resistance number 4 in series ebook written by c j daugherty read this book using google play books app on your pc android ios devices download for

resistance night school 4 by c j daugherty goodreads - Jun 11 2023

web resistance is by far my favourite instalment in the night school series so far though endgame could take that place in june after the action packed ending of fracture i was

night school resistance number 4 in series english edition - Oct 15 2023

web night school resistance number 4 in series english edition ebook daugherty c j amazon nl kindle store

night school resistance ebook by c j daugherty rakuten kobo - Nov 04 2022

web read night school resistance number 4 in series by c j daugherty available from rakuten kobo finding refuge at a secret location in the south of france allie almost

night school resistance number 4 in series kindle edition - Dec 05 2022

web night school resistance number 4 in series ebook daugherty c j amazon in kindle store

night school resistance number 4 in series englis htaccess - Feb 24 2022

web night school resistance number 4 in series englis yeah reviewing a books night school resistance number 4 in series englis could amass your near contacts

night school resistance number 4 in series by c j daugherty - Oct 03 2022

web jan 25 2023 find many great new used options and get the best deals for night school resistance number 4 in series by c j daugherty english paperba at the

night school resistance number 4 in series hachette com au - Jul 12 2023

web jun 10 2014 a tense and gripping thriller the night school series has fans on the edge of their seats cimmericia has been more than a school for allie it s been a safe haven but

night school resistance number 4 in series paperback - Aug 13 2023

web night school resistance number 4 in series daugherty c j amazon sg books

night school resistance number 4 in series englis book - Aug 01 2022

web series of unfortunate events collection books 4 6 dec 28 2020 now a netflix original series a warning from the publisher imagine you are wearing a bandage

night school resistance number 4 in series kindle edition - Sep 14 2023

web jun 5 2014 the fourth book in the night school series resistance shines brighter than the three previous installments daugherty s smart tight writing ramps up the tension

[download free night school resistance number 4 in series englis](#) - Apr 28 2022

web night school resistance number 4 in series englis a grammar of the english language in a series of letters sep 24 2020

english grammar for students of chinese jun 14

night school resistance number 4 in series englis full pdf - Mar 28 2022

web friedrich petzel the number 4 dec 05 2022 the number four takes center stage in this colorful book that has a straightforward approachable and fun narrative readers will

[chemical reactions and equations khan academy](#) - Feb 09 2023

web chemistry mainly deals with chemical reactions we will learn about balancing a chemical equation types of reactions corrosion and rancidity

chemical reactions and equations class 10 notes science chapter 1 - Dec 07 2022

web 2 reacting zinc granules with dilute sulphuric acid chemical reaction $\text{H}_2\text{SO}_4 + \text{Zn} \rightarrow \text{ZnSO}_4 + \text{H}_2$ products zinc sulphate and hydrogen gas identification beaker becomes hot and hydrogen gas is produced which makes match stick burn with pale blue flame and popping sound 3 reacting barium iodide with lead chloride

fill in the blanks class 10 chapter 1 chemical reaction - Feb 26 2022

web class 10th chapter 1 chemical reaction and its equation science chemistry worksheet fill in the blanks 1 addition of hydrogen in a substance in a reaction is known as reaction 2 in a reaction two or more substances combine to form a new single substance 3 unbalanced reactions are also

[class 10 chemistry worksheet on chapter 1 chemical reactions](#) - Apr 30 2022

web cbse class 10 chemistry chapter 1 chemical reactions and equations set 1 q 1 write the balanced chemical equations for each of the following reactions a liquid hydrogen peroxide decomposes to form water and oxygen gas b acetylene gas burns in oxygen to form carbon dioxide and water along with evolution of heat

science class 10 chapter 1 chemical reactions equations youtube - May 12 2023

web in this video we will be discussing cbse class 10 science chapter 1 chemical reactions and equations questions asked in 2020 board exam show more welcome to cbse worldz

[chapter 1 chemical reactions and equations pdf scribd](#) - Aug 15 2023

web write a balanced chemical equation with state symbols for the following reactions i solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride ii sodium hydroxide solution in water reacts with hydrochloric acid solution in

chemical reactions and equations byju s - Sep 04 2022

web in other words the total mass of the products formed in a chemical reaction is equal to the total mass of the reactants

participated in a chemical reaction balanced chemical equation the chemical equation in which the number of atoms of each element in the reactants side is equal to that of the products side is called a balanced chemical

[chemical reaction equation complete ncert notes youtube](#) - Jun 01 2022

web oct 4 2022 chemical reaction equation complete ncert notes class 10 science chapter 1 apni kaksha 9th 10th 185k subscribers subscribe 9 9k views 5 months ago notes 10th science link to

[chemical reactions and equations class 10 chemistry chapter 1](#) - Jul 14 2023

web chemical reactions and equations class 10 chemistry chapter 1 one shot learnohub class 9 10 242k subscribers subscribe 4 6k 187k views 1 year ago cbse class 10 science one shot videos

chapter 1 chemical reactions and equations oswal publishers - Mar 30 2022

web in chapter 1 of ncert solutions for class 10 science students primarily learn about writing and balancing chemical equations they also understand the fundamentals of chemical reactions their types and the impact of chemical oxidation reactions in our daily lives ncert solutions for class 10 science chapter 1 summarizes the key

chapter 1 class 10 science ncert solutions chemical reactions - Oct 05 2022

web ncert class 10 science chapter 1 exercise solutions download free chemical reactions and equations ncert solution for class 10 science chapter 1 pdf to clear all your doubts to perform well in 2022 23 exams on aakash

chapter 1 chemical reactions and equations pdf redox - Apr 11 2023

web chapter 1 chemical reactions and equations physical change change in physical properties melting boiling condensation note no change occurs in the identity of the substance chemical change atoms in the reactants are rearranged to form one or more different substances old bonds are broken new bonds are formed

[ncert class 10 science chapter 1 chemical reactions and equations](#) - Nov 06 2022

web sep 2 2019 ncert class 10 science chapter 1 chemical reactions and equations is available here in its latest version for academic year 2019 2020 in this chapter students will find all those topics which

[class 10 chemistry india science khan academy](#) - Jan 08 2023

web start course challenge welcome to class 10 chemistry cbse syllabus in this course we will explore types of chemical reactions unit1 acids and bases unit2 why metals are awesome unit 3 why carbon is responsible for life unit 4 and how we classify elements unit 5

ncert solution for class 10 science chapter 1 chemical reactions - Jul 02 2022

web translate the following statements into chemical equations and balance them a hydrogen gas combines with nitrogen to form ammonia b hydrogen sulphide gas burns in air to give water and sulphur dioxide c barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate

chapter 1 chemical reactions and equations class 10 cbse - Jan 28 2022

web sep 16 2023 0 00 9 14 chapter 1 chemical reactions and equations class 10 cbse topper s dna subscribe 0 share no views 11 minutes ago hi guys this is the first video of the channel here i

[aakash institute ncert solution for class 10 science chapter 1](#) - Dec 27 2021

web ncert solution for class 10 science chapter 1 chemical reactions and equations 1 why should a magnesium ribbon be cleaned before burning in air solution magnesium ribbon should be cleaned before burning in air because magnesium metal reacts with the atmospheric oxygen and forms magnesium oxide mgo layer which is a very stable

chapter 1 chemical reactions equations pdf scribd - Jun 13 2023

web chapter 1 chemical reactions equations free download as pdf file pdf text file txt or view presentation slides online

cbse notes class 10 science chapter 1 chemical reactions and equations - Aug 03 2022

web chemical reactions and equations is an introductory chapter that covers chemical reactions and equations this chapter should be familiarized by students in order to avoid any difficulties in understanding complex chemical issues

chemical reaction equation chapter 1 class 10 ncert - Mar 10 2023

web link to view notes of chemical reaction equation youtu be mrkegu9emuklink to view slides of this chapter drive google com file d 1d38 g