

# education

Department of Education FREE STATE PROVINCE

#### PHYSICAL SCIENCES PAPER 1 (PHYSICS)

#### **GRADE 12**

## TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC



#### 2021

#### TABLE OF CONTENTS



HOW TO USE THIS DOCUMENT	
TERMS AND DEFINITIONS	2
QUESTIONS	
NEWTON'S LAWS	7
VERTICAL PROJECTILE MOTION	
MOMENTUM AND IMPULSE	
WORK, ENERGY AND POWER	
DOPPLER EFFECT	
ELECTROSTATICS	
ELECTRIC CIRCUITS	
OPTICAL PHENOMENA AND PROPERTIES OF MATERIALS	
ANSWERS TO QUESTIONS	
NEWTON'S LAWS	
VERTICAL PROJECTILE MOTION	
MOMENTUM AND IMPULSE	
WORK, ENERGY AND POWER	90
DOPPLER EFFECT	99
ELECTROSTATICS	104
ELECTRIC CIRCUITS	
ELECTRICAL MACHINES	125
OPTICAL PHENOMENA AND PROPERTIES OF MATERIALS	132
PIRI IOCRARILY	426



# **Physical Science Paper Grade 1november 21**

**DJ Losen** 

#### **Physical Science Paper Grade 1november 21:**

Bailey's index to 'The Times'. Nancy Bailey, 1901 Resources in Education ,2001-10 Palmers' Index to the Times Newspaper ,1901 The Intelligence ,1899 The United States Catalog Supplement, January 1918-June 1921 Science News-letter, 1942 The University of Michigan School of Education Bulletin Eleanor E. Hawkins, 1921 University of Michigan. School of Education, 1936 Michigan School Moderator, 1901 Nature Sir Norman Lockyer, 1924 Parliamentary Papers Great Britain. Parliament. House of Commons, 1911 School .1922 Chemical news and Journal of physical science, 1897 The Chemical News and Journal of Physical Science, 1897 **Monthly** Record of Current Educational Publications ,1919 The Budget of the United States Government United States. Bureau of the Budget, 1936 Issues for 1951 52 1970 71 accompanied by an appendix entitled 1951 52 1955 56 Obligations by objects and detail of personal services 1956 57 1960 61 Detail of personal services 1961 62 Detail of personal services and passenger motor vehicles and aircraft Message of the President of the United States Transmitting the Budget for the Service of the Fiscal Year Ending ... United States, 1935 **Record of Current Educational Publications** United States. **Innovations in Engineering Education**,2007 Office of Education, 1919 **Bulletin** .1919 **American Men of Science** ,1949

Decoding Physical Science Paper Grade 1november 21: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "Physical Science Paper Grade 1november 21," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

https://crm.avenza.com/results/book-search/default.aspx/perkins 2800 series industrial engine service manual.pdf

### **Table of Contents Physical Science Paper Grade 1november 21**

- 1. Understanding the eBook Physical Science Paper Grade 1november 21
  - The Rise of Digital Reading Physical Science Paper Grade 1november 21
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Physical Science Paper Grade 1november 21
  - Exploring Different Genres
  - o 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 Paper Grade 1november 21
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Physical Science Paper Grade 1november 21
  - Personalized Recommendations
  - Physical Science Paper Grade 1november 21 User Reviews and Ratings

- Physical Science Paper Grade 1november 21 and Bestseller Lists
- 5. Accessing Physical Science Paper Grade 1november 21 Free and Paid eBooks
  - Physical Science Paper Grade 1november 21 Public Domain eBooks
  - Physical Science Paper Grade 1november 21 eBook Subscription Services
  - Physical Science Paper Grade 1november 21 Budget-Friendly Options
- 6. Navigating Physical Science Paper Grade 1november 21 eBook Formats
  - o ePub, PDF, MOBI, and More
  - Physical Science Paper Grade 1november 21 Compatibility with Devices
  - Physical Science Paper Grade 1november 21 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Physical Science Paper Grade 1november 21
  - Highlighting and Note-Taking Physical Science Paper Grade 1november 21
  - Interactive Elements Physical Science Paper Grade 1november 21
- 8. Staying Engaged with Physical Science Paper Grade 1november 21
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Physical Science Paper Grade 1november 21
- 9. Balancing eBooks and Physical Books Physical Science Paper Grade 1november 21
  - Benefits of a Digital Library
  - o Creating a Diverse Reading Collection Physical Science Paper Grade 1 november 21
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Physical Science Paper Grade 1november 21
  - Setting Reading Goals Physical Science Paper Grade 1november 21
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physical Science Paper Grade 1november 21
  - o Fact-Checking eBook Content of Physical Science Paper Grade 1november 21
  - 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 Paper Grade 1november 21 Introduction**

In todays digital age, the availability of Physical Science Paper Grade 1november 21 books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Physical Science Paper Grade 1november 21 books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Physical Science Paper Grade 1november 21 books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Physical Science Paper Grade 1november 21 versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Physical Science Paper Grade 1november 21 books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether youre a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Physical Science Paper Grade 1november 21 books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Physical Science Paper Grade 1 november 21 books and manuals is Open Library. Open Library is an initiative of the Internet

Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Physical Science Paper Grade 1november 21 books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Physical Science Paper Grade 1november 21 books and manuals for download and embark on your journey of knowledge?

#### **FAQs About Physical Science Paper Grade 1november 21 Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Physical Science Paper Grade 1november 21 is one of the best book in our library for free trial. We provide copy of Physical Science Paper Grade 1november 21 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Physical Science Paper Grade 1november 21. Where to download Physical Science Paper Grade 1november 21 online for free? Are you looking for Physical Science Paper Grade 1november 21 PDF? This is definitely going to save you time and cash

in something you should think about.

#### Find Physical Science Paper Grade 1november 21:

perkins 2800 series industrial engine service manual percent yield answers with work perkins ua 3 cylinder diesel engine manual perkins 2500 series manual personal vocabulary journal template perseacutephone reine des morts figures mythiques perfect bowman guide perkins 4008tag2 series service manual performance task chapter 6 geometry answers periodic table test with answers personal narrative essay about friendship perfect essay conclusion example performers guide to the collaborative process the people nation history united states personal finance chapter 1 test

## **Physical Science Paper Grade 1november 21:**

secret of the spirit sidi muhammad al jamal s teachings in the u s - Jun 14 2023

web jan 1 2008 sidi muhammad sa id al jamal ar rifai as shadhuli is a sufi master and guide of peace love and mercy in the shadhiliyya sufi way he is the head of the higher sufi council in jerusalem and the holy land and a

secret of the spirit sidi muhammad al jamal s tea pdf - Oct 06 2022

web aug 4 2023 secret of the spirit sidi muhammad al jamal s tea 2 9 downloaded from uniport edu ng on august 4 2023 by guest and proposes a new methodology for reading written devotional aids in historical context it will be welcomed by scholars of magic and specialists in africana religious studies islamic occultism and islamic manuscript culture secret of the spirit sidi muhammad al jamal s tea - Mar 11 2023

web compulsion currently this secret of the spirit sidi muhammad al jamal s tea as one of the most in action sellers here will

no question be along with the best options to review divine names rosina fawzia al rawi 2015 03 15 the path to self discovery and inner and outer peace divine names is a unique contribution to

secret of the spirit sidi muhammad al jamal s tea download - Nov 07 2022

web we meet the expense of secret of the spirit sidi muhammad al jamal s tea and numerous ebook collections from fictions to scientific research in any way among them is this secret of the spirit sidi muhammad al jamal s tea that can be your partner secret of the spirit sidi muhammad al jamal s tea downloaded from

### secret of the spirit sidi muhammad al jamal s tea pdf pdf - Jul 15 2023

web jun 20 2023 secret of the spirit sidi muhammad al jamal s tea pdf web secret of the spirit sidi muhammad al jamal s tea pdf web nov 28 2022 secret of the spirit sidi muhammad al jamal s tea can be taken as competently as picked to act ibn al arabi ibn al 'arab 1980 the great 13th century muslim

## secret of the spirit sidi muhammad al jamal s tea download - Jul 03 2022

web secret of the spirit sidi muhammad al jamal s tea a soldier of the legion politics of religious change on the upper guinea coast jewel mysteries from a dealer s note book freemason s book of the royal arch the rumi daybook how to travel in the deep way to understand the truth e j brill s first encyclopaedia of islam music of the soul

secret of the spirit sidi muhammad al jamal s tea uniport edu - Sep 05 2022

web apr 4 2023 secret of the spirit sidi muhammad al jamal s tea 2 7 downloaded from uniport edu ng on april 4 2023 by guest ecstasy now in the art of everyday ecstasy anand expands our definition of ecstasy and shows how we can harness its energy to help us live work and love more passionately joyfully and with true spiritual focus

#### secret of the spirit kindle edition by ar rifa i ash shdahili sidi - Feb 27 2022

web dec 31 2007 secret of the spirit kindle edition by ar rifa i ash shdahili sidi muhammad al jamal download it once and read it on your kindle device pc phones or tablets use features like bookmarks note taking and highlighting while reading secret of

#### secret of the spirit sidi muhammad al jamal s tea ci kubesail - May 13 2023

web secret of the spirit sidi muhammad al jamal s tea 3 3 cohen secret of the spirit pan macmillan sorcery or science examines how two sufi muslim theologians who rose to prominence in the western sahara desert in the late eighteenth century sīdi al mukhtār al kuntī d 1811 and his son and successor sīdi muhammad al

#### secret of the spirit sidi muhammad al jamal s tea amitav - Jan 29 2022

web secret of the spirit sidi muhammad al jamal s tea as recognized adventure as competently as experience not quite lesson amusement as with ease as concord can be midst of them is this secret of the spirit sidi muhammad al jamal s tea that can be your partner black morocco chouki el hamel 2014 02 27 black morocco a history of

#### secret of the spirit sidi muhammad al jamal s tea download - Apr 12 2023

web secret of the spirit sidi muhammad al jamal s tea downloaded from rc spectrallabs com by guest best muhammad the builder lulu com discover the mystical jewels of wisdom contained in sufism a spiritual path for lovers of god all around the world in this book sidi shaykh muhammad a sufi master who lives and teaches in

the secret of the spirit sidi muhammad al jamal - Feb 10 2023

web jan 1 2008 this sets the stage for the summer s teachings which included in depth teachings on the stations of the lower self and commentary on chapters from sidi s book he who knows himself knows his lord sidi s original lectures on new healing methods designed to help us care for ourselves and others in the divine holy way

the secret of secrets golden palm series amazon com - Mar 31 2022

web the secret of secrets golden palm series amazon com

secret of the spirit sidi muhammad al jamal s tea pdf - Dec 08 2022

web 2 secret of the spirit sidi muhammad al jamal s tea 2021 03 09 thought wherever it might lead unafraid to expose fraudulence denounce injustice and excoriate hypocrisy legions of readers admirers and detractors alike have learned to read hitchens with something approaching awe at his felicity of language the

## secret of the spirit sidi muhammad al jamal s tea copy - Jun 02 2022

web secret of the spirit sidi muhammad al jamal s tea music of the soul sorcery or science the diwan mysticism a study in nature and development of spiritual consciousness jesus jihad and peace the garden of allah skeletons on the zahara secret of the spirit the rumi daybook jewel mysteries from a dealer s note book a

#### secret of the spirit sidi muhammad al jamal s tea ousmane - Dec 28 2021

web for their favorite books like this secret of the spirit sidi muhammad al jamal s tea but end up in malicious downloads rather than reading a good book with a cup of tea in the afternoon instead they are facing with some infectious virus inside their desktop computer secret of the spirit sidi muhammad al jamal s tea is available in our book

## secret of the spirit sidi muhammad al jamal s tea pdf - Jan 09 2023

web jan 7 2023 secret of the spirit sidi muhammad al jamal s tea 2 5 downloaded from kelliemay com on january 7 2023 by guest arabi s koranic roots run far deeper than has heretofore been imagined he explains that principles of ibn arabi s koranic hermeneutics with unprecedented clarity and in bringing out the primary importance of the secret sır kitap özeti düsünsel yansımalar - May 01 2022

web may 27 2012 9 her zaman hastalıktan söz edenler hasta olurlar her zaman bolluktan söz edenler bolluk içinde olurlar vs 10 bu istekli düşünmek değildir 11 İçine zihnin girmediği bir evrene sahip olamazsınız 12 düşüncelerinizi dikkatle seçin siz yaşamınızın şaheseri başyapıtısınız 13

#### secret of the spirit sidi muhammad al jamal s tea copy - Aug 04 2022

web apr 23 2023 we offer secret of the spirit sidi muhammad al jamal s tea and numerous book collections from fictions to scientific research in any way in the midst of them is this secret of the spirit sidi muhammad al jamal s tea that can be your partner

secret of the spirit ash shadhuli sidi shaykh muhammad sa id al jamal - Aug 16 2023

web sep 2 2008 secret of the spirit ash shadhuli sidi shaykh muhammad sa id al jamal ar rifa i on amazon com free shipping on qualifying offers secret of the spirit

modernismo movimiento filosófico y cultural wikipedia la - Aug 12 2023

web el movimiento evidenció un deseo de creación de nuevas formas de arte filosofía y organización social que reflejaran el emergente nuevo mundo industrial incluyendo características con formas hasta entonces inéditas de urbanización tecnología y guerra

## modernismo wikipedia la enciclopedia libre - Jan 05 2023

web modernismo la denominación española de un movimiento artístico de finales del siglo xix y principios del siglo xx que recibe distintas denominaciones nacionales art nouveau sezession secesión de viena secesión de múnich jugendstil floreale liberty etc arquitectura arquitectura modernista

modernismo qué es en la literatura objetivos y características - Apr 08 2023

web se conoce como modernismo a un movimiento artístico que tuvo lugar a partir del siglo xix y cuyo objetivo era la renovación en la creación valiéndose de los nuevos recursos del arte poético y dejando las tendencias antiguas a un costado por no considerarlas eficientes

modernismo cubism surrealism expressionism britannica - Feb 06 2023

web modernismo late 19th and early 20th century spanish language literary movement that emerged in the late 1880s and is perhaps most often associated with the nicaraguan poet rubén darío who was a central figure

modernismo arte wikipedia la enciclopedia libre - Jul 11 2023

web modernismo o en francés art nouveau es el término con el que se designa a una corriente de renovación artística desarrollada a finales del siglo xix y principios del xx durante el periodo denominado fin de siècle y belle époque **modernismo qué es información características autores** - Jun 10 2023

web sep 3 2016 el modernismo es una corriente de renovación artística que tuvo lugar desde finales de siglo xix hasta mediados del siglo xx se destacó por su interés en romper con los estilos tradicionales por la búsqueda de nuevas formas de expresión y de estética inspiradas en la naturaleza y contrarias a los elementos de la revolución industrial modernismo qué fue características obras artistas y más - Sep 13 2023

web en literatura el modernismo fue un movimiento esteticista que se manifestó especialmente en el área hispánica durante este período buscó apartarse del naturalismo movimiento vigente hasta la década de 1870 aproximadamente y tampoco se interesó en el fenómeno de la sociedad industrial

modernismo literatura en español wikipedia la enciclopedia libre - Mar 07 2023

web el término modernismo designaba cierta corriente heterodoxa de renovación religiosa y se aplicó en el campo de las artes a tendencias surgidas en los últimos veinte años del siglo xix sus rasgos más comunes eran un marcado **modernismo wikipedia** - May 09 2023

web modernismo modernismo is a literary movement that took place primarily during the end of the nineteenth and early twentieth century in the spanish speaking world best exemplified by rubén darío who is also known as the father of modernismo the term modernismo specifically refers to the literary movement that took place primarily modernismo concepto contexto histórico autores y obras - Oct 14 2023

web aug 5 2021 te explicamos qué es el modernismo y en qué contexto histórico surge además autores y obras más importantes de este movimiento el modernismo se caracterizó por la rebeldía creativa

il professionista matrioska segretissimo google play - Jul 13 2023

web il professionista matrioska segretissimo ebook written by stephen gunn read this book using google play books app on your pc android ios devices download for

il blog di segretissimo blog archive come nasce un - Sep 15 2023

web jul 5 2019 matrioska dietro le quinte di stefano di marino arriva l'estate e il prof vi accompagna dove volete magari anche se restate a casa per questo ho selezionato

#### lavoro segretaria studio medico siracusa jooble - Apr 29 2022

web scopri tutte le offerte di lavoro per segretaria studio medico a siracusa abbiamo trovato 145 000 offerte di lavoro per segretaria studio medico lavoro a tempo pieno

#### il professionista matrioska segretissimo ebook epub fnac - Dec 06 2022

web il professionista matrioska segretissimo stephen gunn mondadori des milliers de livres avec la livraison chez vous en 1 jour ou en magasin avec 5 de réduction il

il professionista matrioska segretissimo by stephen gunn - Aug 02 2022

web jul 2 2019 ruslan nicovic criminale di guerra arrestato dal professionista anni prima deceduto in circostanze misteriose nel 2019 la sua mortale eredità

il professionista matrioska segretissimo stephen gunn - May 11 2023

web acquista online il professionista matrioska segretissimo di stephen gunn in formato ebook su mondadori store

il professionista matrioska segretissimo ebook amazon it - Apr 10 2023

web il professionista matrioska segretissimo ebook gunn stephen amazon it libri

il blog di segretissimo il professionista libri mondadori - Jun 12 2023

web may 27 2021 segretissimo special 33 stephen gunn il professionista story campi di morte fiesta di piombo giovedì maggio 27th 2021 in ebook segretissimo extra

## il professionista matrioska segretissimo 1647 gli archivi di uruk - Aug 14 2023

web jul 9 2019 la collana segretissimo n 1647 presenta questo luglio una nuova avventura del professionista la scheda di uruk 1647 il professionista matrioska 2019 di

## il blog di segretissimo ebook - Mar 09 2023

web jan 20 2021 stephen gunn il professionista matrioska segretissimo n 1647 luglio 2019 non c è niente di meglio di un buon inedito per cominciare al meglio l estate e

il professionista matrioska segretissimo italian edition - Jan 07 2023

web jul 2 2019 il professionista matrioska segretissimo italian edition kindle edition by gunn stephen download it once and read it on your kindle device pc phones or

### il professionista matrioska segretissimo ebook stephen - Sep 03 2022

web il professionista matrioska segretissimo ruslan nicovic criminale di guerra arrestato dal professionista anni prima deceduto in circostanze

## il professionista matrioska segretissimo kobo com - Feb 08 2023

web read il professionista matrioska segretissimo by stephen gunn available from rakuten kobo ruslan nicovic criminale di guerra arrestato dal professionista anni

## il professionista matrioska segretissimo by stephen gunn - Oct 04 2022

web ruslan nicovic criminale di guerra arrestato dal professionista anni prima deceduto in circostanze misteriose nel 2019 la sua mortale eredità riemerge come un incubo tutti la

il professionista matrioska segretissimo on apple books - Nov 05 2022

web jul 2 2019 ruslan nicovic criminale di guerra arrestato dal professionista anni prima deceduto in circostanze misteriose nel 2019 la sua mortale eredità riemerge come un

stephen gunn il professionista matrioska segretissimo 1647 - Oct 16 2023

web jun 26 2019 stephen gunn il professionista matrioska segretissimo n 1647 luglio 2019 non c è niente di meglio di un buon inedito per cominciare al meglio l estate e

diventare segretaria una professionista polifunzionale - May 31 2022

## **Physical Science Paper Grade 1november 21**

web may 22 2018 come diventare una segretaria corsi e formazione diventare una segretaria può aprirti molte porte nel mondo del lavoro l alto livello di domanda dà ottime chance come diventare segretaria di studio medico emagister blog italia - Jul 01 2022

web per poter adempiere ai propri compiti in modo professionale è però necessario aver ricevuto la giusta formazione partecipando ad esempio a un corso per diventare segretaria di