

# Life Sciences Part 1

Liesl Sterrenberg, Helena Fouché & Grace Elliott

GRADE  
**12**  
CAPS

3 in 1



the  
**ANSWER**  
series... your key to matric success

# Grade 1life Science Caps Study Guide

**Siddappa N.Byrareddy**



## **Grade 1life Science Caps Study Guide:**

This is likewise one of the factors by obtaining the soft documents of this **Grade 1life Science Caps Study Guide** by online. You might not require more times to spend to go to the ebook inauguration as capably as search for them. In some cases, you likewise get not discover the proclamation Grade 1life Science Caps Study Guide that you are looking for. It will very squander the time.

However below, later than you visit this web page, it will be hence utterly easy to get as without difficulty as download guide Grade 1life Science Caps Study Guide

It will not admit many era as we accustom before. You can realize it though put it on something else at house and even in your workplace. hence easy! So, are you question? Just exercise just what we find the money for under as capably as evaluation **Grade 1life Science Caps Study Guide** what you taking into consideration to read!

<https://staging.conocer.cide.edu/data/virtual-library/fetch.php/Fiat%20Coup%2016v%2020v%20Turbo%20Workshop%20Service%20Repair%20Manual.pdf>

## **Table of Contents Grade 1life Science Caps Study Guide**

1. Understanding the eBook Grade 1life Science Caps Study Guide
  - The Rise of Digital Reading Grade 1life Science Caps Study Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Grade 1life Science Caps Study Guide
  - 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 Grade 1life Science Caps Study Guide
  - User-Friendly Interface

4. Exploring eBook Recommendations from Grade 1life Science Caps Study Guide
  - Personalized Recommendations
  - Grade 1life Science Caps Study Guide User Reviews and Ratings
  - Grade 1life Science Caps Study Guide and Bestseller Lists
5. Accessing Grade 1life Science Caps Study Guide Free and Paid eBooks
  - Grade 1life Science Caps Study Guide Public Domain eBooks
  - Grade 1life Science Caps Study Guide eBook Subscription Services
  - Grade 1life Science Caps Study Guide Budget-Friendly Options
6. Navigating Grade 1life Science Caps Study Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Grade 1life Science Caps Study Guide Compatibility with Devices
  - Grade 1life Science Caps Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Grade 1life Science Caps Study Guide
  - Highlighting and Note-Taking Grade 1life Science Caps Study Guide
  - Interactive Elements Grade 1life Science Caps Study Guide
8. Staying Engaged with Grade 1life Science Caps Study Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Grade 1life Science Caps Study Guide
9. Balancing eBooks and Physical Books Grade 1life Science Caps Study Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Grade 1life Science Caps Study Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Grade 1life Science Caps Study Guide
  - Setting Reading Goals Grade 1life Science Caps Study Guide
  - Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Grade 1life Science Caps Study Guide
  - Fact-Checking eBook Content of Grade 1life Science Caps Study Guide
  - 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

### Grade 1life Science Caps Study Guide Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Grade 1life Science Caps Study Guide free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Grade 1life Science Caps Study Guide free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless

reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Grade 1life Science Caps Study Guide free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Grade 1life Science Caps Study Guide. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Grade 1life Science Caps Study Guide any PDF files. With these platforms, the world of PDF downloads is just a click away.

### FAQs About Grade 1life Science Caps Study Guide Books

**What is a Grade 1life Science Caps Study Guide 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 Grade 1life Science Caps Study Guide 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 Grade 1life Science Caps Study Guide 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 Grade 1life Science Caps Study Guide 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 Grade 1life Science Caps Study Guide 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 Grade 1life Science Caps Study Guide :**

*fiat coup 16v 20v turbo workshop service repair manual*

*fetal monitoring interpretation*

**fiat punto 2003 price guide**

fiat uno repair manual for diesel 2015

**fic motherboard manual k7mnf**

fiat 70 s manual

**fiat 124 spider 1977 factory service repair manual**

~~fiberglass mold manual~~

fia paper 1 exam

*ferrari california instruction manual*

ferrari 328 328gtb 328gts 1985 1989 repair service manual

fet maths n3 previous papers

feuille de liaison de la confeacuterence saintyves ndeg

fiat haynes manual

~~fiat dobro van workshop manual~~

### **Grade 1life Science Caps Study Guide :**

*consciousness in contemporary science semantic scholar - Nov 29 2022*



web mar 12 1992 there is growing data showing that certain functions that modern science considers to be part of consciousness could be impaired in certain schizophrenics and that this may account for symptoms such as thought insertion depersonalisation auditory hallucinations self fragmentation disorders of episodic and working memory passive

[consciousness in contemporary science oxford academic](#) - Aug 27 2022

web everything real has properties and since i do not deny the reality of conscious experience i grant that conscious experience has properties i grant moreover that each person's states of consciousness have properties in virtue of which those states have the experiential content that they do

[consciousness in contemporary science google books](#) - Jul 26 2022

web the place of consciousness in modern science is here discussed by authorities in a variety of disciplines they examine its theoretical status its basis in cognition and brain organization conscious and non conscious behaviour disorders of

[what is consciousness scientific american](#) - Dec 31 2022

web jun 1 2018 scientists are beginning to unravel a mystery that has long vexed philosophers consciousness is everything you experience it is the tune stuck in your head the sweetness of chocolate mousse

[consciousness in contemporary science a j marcel and e](#) - Apr 22 2022

web dec 31 1990 semantic scholar extracted view of consciousness in contemporary science a j marcel and e bisiach eds clarendon press oxford 1988 x 395 pp 45 00 by d hemsley

**understanding consciousness goes beyond exploring scientific** - Jun 05 2023

web 2 days ago the science of consciousness has not lived up to expectations over the summer the neuroscientist christof koch conceded defeat on his 25 year bet with the philosopher david chalmers

[a map of consciousness studies questions and approaches](#) - May 04 2023

web oct 8 2020 this article aims to present a map of consciousness studies which consists of a list of fundamental questions about consciousness and existing approaches to them the question list includes five fundamental categories definitional phenomenological epistemological ontological and axiological

**what concept of consciousness consciousness in contemporary science** - Apr 03 2023

web the chapter concludes that consciousness is related to behavioural integration and that studying behavioural integration is therefore the way to study consciousness clearly many different mechanisms in the brain contribute to the coherence or integration of its end product behaviour

[consciousness in contemporary science philpapers](#) - Sep 27 2022

web consciousness in contemporary science anthony j marcel edoardo bisiach new york oxford university press edited by anthony j marcel edoardo bisiach 1988 copy bibtex abstract the significance of consciousness in modern science is discussed

by leading authorities from a variety of disciplines

information processing models of consciousness possibilities and - Feb 18 2022

web at face value the existence of consciousness is one of the greatest unsolved problems of science yet throughout this century many have dismissed the mystery of the relation between awareness and mechanism as a pseudo problem

consciousness in contemporary science amazon com - Mar 22 2022

web apr 16 1992 in recent years there has been a resurgence of interest in consciousness from a number of viewpoints in this book the place of consciousness in modern science is discussed by leading authorities from a variety of disciplines including psychology philosophy and neurology

consciousness in contemporary science 9780198522379 - Jun 24 2022

web in recent years there has been a resurgence of interest in consciousness from a number of viewpoints in this book the place of consciousness in modern science is discussed by leading authorities from a variety of disciplines including psychology philosophy and

consciousness as a global problem of modern science - Aug 07 2023

web oct 10 2013 abstract in the article the central problem of consciousness is stated in complex of natural social sciences and humanities the space for modern consciousness research is being analyzed on the one hand from neural and physiological to the cognitive social and communicational and on the other hand from feasibility of conscious activity

**consciousness what it is where it comes from nature** - Sep 08 2023

web oct 30 2023 the answer according to dennett was consciousness consciousness for him is a control architecture that takes competing streams of ideas and determines from them our expectations and actions

**consciousness in contemporary science searchworks catalog** - Oct 29 2022

web consciousness in contemporary science responsibility edited by a j marcel and e bisiach imprint oxford england clarendon press new york oxford university press 1988 physical description x 405 p ill 24 cm at the library philosophy library tanner stacks sal3 off campus storage stacks request more options

*consciousness in contemporary science oxford academic* - Oct 09 2023

web mar 12 1992 in this book the place of consciousness in modern science is discussed by academics from a variety of disciplines including psychology philosophy and neurology chapters address several main issues the theoretical status of different aspects of consciousness the criteria for using the concept and for distinguishing instances of

**consciousness in contemporary science apa psycnet** - Jul 06 2023

web consciousness in contemporary science clarendon press oxford university press abstract the main themes that emerge concern a what is to be explained b how to explain it and c what level of discourse or theory is necessary is most useful and is

scientifically legitimate

*consciousness in contemporary psychology annual review of* - Feb 01 2023

web a revolution in the science of emotion has emerged in recent decades with the potential to create a paradigm shift in decision theories the research reveals that emotions constitute potent pervasive predictable sometimes harmful and sometimes

*phenomenal experience and functionalism consciousness in contemporary* - Mar 02 2023

web this chapter is about consciousness as phenomenal experience its contention is that reference to consciousness in psychological science is demanded legitimate and necessary it is demanded since consciousness is  
consciousness in contemporary science worldcat org - May 24 2022

web consciousness in contemporary science authors a j marcel e bisiach summary the significance of consciousness in modern science is discussed by a number of leading authorities from the fields of psychology neurology and philosophy topics include disorders of consciousness the functions of consciousness and the basis of

**introducing discourse analysis semantic scholar** - Aug 02 2023

web jan 1 1993 introducing discourse analysis david nunan 4 20 92 ratings4 reviews genres languagelinguisticsacademic 134 pages paperback first published january

*pdf teaching grammar in context david nunan academia edu* - Mar 17 2022

web introducing discourse analysis david nunan downloaded from staging philanthropi com by guest jordan simone re viewing space springer nature this carefully crafted

**introducing discourse analysis david nunan google books** - Sep 03 2023

web introducing discourse analysis d nunan published 1993 sociology education examines and explains discourse visual examples from a wide range of spoken and

**introducing discourse analysis worldcat org** - Dec 26 2022

web introducing discourse analysis by nunan david 22results you searched for author nunan david title introducing discourse analysis edit your search

**introducing discourse analysis nunan david pdf scribd** - Aug 22 2022

web 2 david nunan discourse analysis 2021 12 13 invites us to look at teacher education from a fresh point of view through an exploration of the thinking and learning processes of

*discourse analysis key concepts and* - Oct 24 2022

web oct 14 2023 plenary speakers prof david nunan university of hong kong china david nunan is emeritus professor at the university of hong kong he has published

[introducing discourse analysis nunan david free](#) - Oct 04 2023

web bibliographic information examines and explains discourse visual examples from a wide range of spoken and written sources the book also includes a number of exercises and

*introducing discourse analysis by nunan david abebooks* - Sep 22 2022

web buy introducing discourse analysis by professor david nunan online at alibris we have new and used copies available in 1 editions starting at 13 34 shop now

**introducing discourse analysis penguin english** - May 31 2023

web buy introducing discourse analysis penguin english by nunan david isbn 9780140813654 from amazon s book store everyday low prices and free delivery on

**introducing discourse analysis david nunan uniport edu** - Nov 12 2021

**introducing discourse analysis penguin english amazon co uk** - Feb 25 2023

web product details language english isbn 10 0140813659 isbn 13 978 0140813654 item weight 99 8 g dimensions 12 8 x 0 9 x 19 8 cm about the author

[introducing discourse analysis by david nunan goodreads](#) - Apr 29 2023

web introducing discourse analysis nunan david book english published penguin 1993 rate this 1 5 2 5 3 5 4 5 5 5 available at university library university library three

**introducing discourse analysis anna s archive** - Apr 17 2022

web 2 introducing discourse analysis david nunan 2022 12 06 dr about david nunan anaheim universitydavid nunan has 133 books on goodreads with 7386 ratings david

**introducing discourse analysis by david nunan open** - Jul 01 2023

web introducing discourse analysis david nunan published in 1993 in london by penguin english examines and explains discourse visual examples from a wide range of

*free introducing discourse analysis david nunan* - Feb 13 2022

web introducing discourse analysis david nunan 2 10 downloaded from uniport edu ng on may 11 2023 by guest shifting borders in literature and culture as well as in global socio

**introducing discourse analysis david nunan copy** - Dec 14 2021

[introducing discourse analysis ghent university library](#) - Mar 29 2023

web 4 reviews author david nunan print book english 1993 edition view all formats and editions publisher penguin books

london 1993 show more information location not

*david nunan discourse analysis esource svb com* - May 19 2022

web introducing discourse analysis david nunan lacan discourse event new psychoanalytic approaches to textual

indeterminacy jun 08 2020 lacan discourse

introducing discourse analysis 9780140813654 books - Nov 24 2022

web introducing discourse analysis nunan david uploaded by analia paz ai enhanced title copyright all rights reserved flag for inappropriate content save 0 embed

**introducing discourse analysis by nunan david university of** - Jan 27 2023

web jan 1 2010 discourse analysis discourse analysis key concepts and perspectives authors touria drid université kasdi merbah ouargla abstract

*introducing discourse analysis david nunan esource svb* - Jan 15 2022

*introducing discourse analysis by professor david nunan alibris* - Jun 19 2022

web teaching grammar in context david nunan 1998 elt journal see full pdf download pdf related papers teaching grammar in context metaphors for second language

**the 9th international conference university of hong kong** - Jul 21 2022

web introducing discourse analysis anna s archive english en pdf 6 3mb introducingdisco0000nuna pdf introducing discourse analysis london penguin

**Özel güvenlik görevlisi Şişli bay araniyor iss tesis yönetim** - Apr 30 2022

web iss tesis yönetim hizmetleri a Ş Özel güvenlik görevlisi Şişli bay ilanı için başvuru süresi dolmuştur diğer Özel güvenlik görevlisi Şişli bay ilanlarını inceleyebilirsiniz veya iş ilanları sayfasından tüm iş ilanlarına ulaşabilirsiniz benzer İş İlanlarını görüntüle Özgeçmiş oluşturun

**employment nassau county ny official website** - May 12 2023

web the nassau county civil service commission ensures county taxpayers of a public workforce qualified for their jobs pursuant to the principles of selection according to merit and fitness information about available positions and an application to take the civil service examination is available

Ösym sınav görevli ücretleri ne kadar 2022 yks tyt ayt - Feb 26 2022

web jun 17 2022 Ösym sınav görevli ücretleri ne kadar adaylara yks nin ilk oturumu tyt de 165 dakika ikinci oturum olan ayt de 180 dakika üçüncü oturum ydt de ise 120 dakika süre verilecek 18 19 haziran da gerçekleştirilecek yks sınavında yüz

civil service exams town of oyster bay 2023 - Aug 03 2022

web feb 28 2023 complete not discover the broadcast civil service exams town of oyster bay that you are looking for it will unconditionally squander the time however below considering you visit this web page it will be as a result very simple to get as skillfully as download guide civil service exams town of oyster bay

*civil service exams nassau county ny official website* - Jul 14 2023

web civil service exams personnel chosen for merit and fitness without regard to race religion sex age national origin disability marital status or any other non merit factor this posting provides a list of upcoming open competitive examinations **examination announcements hempstead town ny** - Feb 09 2023

web sep 11 2023 exam date exam number exam title application deadline study guide october 21 2023 63 384 assistant director of reproduction services pdf september 11 2023 no october 21 2023 60 401 office services assistant pdf september 11 2023 no october 7 2023 63 758 bay constable trainee pdf august 14 2023 no

**human resources town of oyster bay** - Aug 15 2023

web personnel division the personnel division maintains the records of all past and present town employees and serves as liaison to the nassau county civil service commission as well as processing and administering applications for town employment both full and part time in accordance with civil service rules and regulations

civil service exam jobs in town of oyster bay ny indeed - Jun 13 2023

web 393 civil service exam jobs available in town of oyster bay ny on indeed com apply to case manager capacity manager technician and more

*civil service job search civil service jobs gov uk* - Nov 06 2022

web you can check and update your preferences using the cookies link at the bottom of all civil service jobs pages gov uk civil service jobs beta your feedback will help us to enter job title skill or keywords where enter a postcode town or region advanced search discover careers within the civil service support links help terms

istanbul university yÖs international student exam - Dec 27 2021

web İÜyÖs 2021 final application dates and application fee payment period 10 may 2021 monday 10 june 2021 thursday 5 00 pm 17 00 local time in turkey İÜyÖs 2021 exam date 10 july 2021 sunday 3 00 pm 15 00 according to the local time of turkey announcement of the exam questions 12 july 2021 monday

**civil service jobs employment in oyster bay ny indeed com** - Apr 11 2023

web 12 973 civil service jobs available in oyster bay ny on indeed com apply to assistant director family support navigator peer referee and more

**civilserviceexamstownofoysterbay 2022 academy robotistan** - Mar 10 2023

web town of oyster bay civil service exams town of oyster bay in this age of modern era the use of internet must

civil service exams town of oyster bay copy uniport edu - Jan 08 2023

web install the civil service exams town of oyster bay it is definitely simple then before currently we extend the connect to buy and create bargains to download and install civil service exams town of oyster bay as a result simple

oyster bay town - Dec 07 2022

web oyster bay town

**civil service exams town of oyster bay uniport edu** - Jun 01 2022

web jun 15 2023 civil service exams town of oyster bay below national public employment reporter 1979 bulletin to the schools 1955 reports of cases decided in the court of appeals of the state of new york 1935 examination of the civil service and inquiry as to certain discharges at the south omaha bureau of animal industry 1898

**civil service exams town of oyster bay** - Sep 04 2022

web civil service exams town of oyster bay civil service exams town of oyster bay 3 downloaded from old restorativejustice org on 2022 07 25 by guest guide to the presidency michael nelson 2015 05 01 the guide to the presidency is an extensive study of the most important office of the u s political system

İstanbul Üniversitesi yÖs uluslararası Öğrenci sınavı - Mar 30 2022

web duyurular 12 10 2020 kabul mektupları yayınlandı 18 09 2020 sınav sonuçlarına İtiraz süreci başlamıştır 15 09 2020 afrika Ülkeleri endonezya kontenjanlarına diploma notu ile başvuru duyurusu 07 09 2020 İÜyÖs 2020 sınav soru ve cevapları yayınlanmıştır 07 09 2020 İÜyÖs 2020 sınav soruları için İtiraz tarihleri

**İstanbul osym gov tr** - Jan 28 2022

web 342138 İstanbul İmam hatip lİsesİ 344414 İstanbul İnŞaat anadolu meslek lİsesİ 344836 İstanbul İnŞaat anadolu teknik lİsesİ 341863 İstanbul İnŞaat teknik lİsesİ 343515

**civil service exams town of oyster bay** - Jul 02 2022

web aug 11 2023 civil service exams town of oyster bay in this age of modern era the use of internet must be maximized civil service jobs employment in west babylon ny april 29th 2018 255 civil service jobs available in west babylon ny on indeed com administrative assistant department secretary youth specialist

civil service exams town of oyster bay uniport edu - Oct 05 2022

web may 28 2023 civil service exams town of oyster bay 1 4 downloaded from uniport edu ng on may 28 2023 by guest civil service exams town of oyster bay this is likewise one of the factors by obtaining the soft documents of this civil service exams town of oyster bay by online you might not require more