



education

Department of
Education
FREE STATE PROVINCE

GRADE 8

NATURAL SCIENCES

NOVEMBER 2023

TIME: 2 HOURS
Stanmorephysics.com

MARKS: 100

INSTRUCTIONS AND INFORMATION:

1. Write your name, grade, and class on the ANSWER BOOK.
2. The question paper consists of TWO SECTIONS divided into **11** questions.
3. Answer ALL questions in the ANSWER BOOK.
4. Number the answers correctly according to the numbering system used in this question paper.
5. **Skip one line between two sub-questions, for example QUESTION 4.1.1 and QUESTION 4.1.2.**
6. Write neatly and legibly.

This question paper consists of 14 pages.

Scop Plife Science Grade 2014 November

SJ Ball



Scop Plife Science Grade 2014 November:

Immerse yourself in the artistry of words with Crafted by is expressive creation, **Scop Plife Science Grade 2014 November** . This ebook, presented in a PDF format (Download in PDF: *), is a masterpiece that goes beyond conventional storytelling. Indulge your senses in prose, poetry, and knowledge. Download now to let the beauty of literature and artistry envelop your mind in a unique and expressive way.

<https://crm.avenza.com/results/detail/Documents/Quick%20Guide%20Nokia%202760%20Manual.pdf>

Table of Contents Scop Plife Science Grade 2014 November

1. Understanding the eBook Scop Plife Science Grade 2014 November
 - The Rise of Digital Reading Scop Plife Science Grade 2014 November
 - Advantages of eBooks Over Traditional Books
2. Identifying Scop Plife Science Grade 2014 November
 - 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 Scop Plife Science Grade 2014 November
 - User-Friendly Interface
4. Exploring eBook Recommendations from Scop Plife Science Grade 2014 November
 - Personalized Recommendations
 - Scop Plife Science Grade 2014 November User Reviews and Ratings
 - Scop Plife Science Grade 2014 November and Bestseller Lists
5. Accessing Scop Plife Science Grade 2014 November Free and Paid eBooks
 - Scop Plife Science Grade 2014 November Public Domain eBooks
 - Scop Plife Science Grade 2014 November eBook Subscription Services
 - Scop Plife Science Grade 2014 November Budget-Friendly Options

6. Navigating Scop Plife Science Grade 2014 November eBook Formats
 - ePub, PDF, MOBI, and More
 - Scop Plife Science Grade 2014 November Compatibility with Devices
 - Scop Plife Science Grade 2014 November Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Scop Plife Science Grade 2014 November
 - Highlighting and Note-Taking Scop Plife Science Grade 2014 November
 - Interactive Elements Scop Plife Science Grade 2014 November
8. Staying Engaged with Scop Plife Science Grade 2014 November
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Scop Plife Science Grade 2014 November
9. Balancing eBooks and Physical Books Scop Plife Science Grade 2014 November
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Scop Plife Science Grade 2014 November
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Scop Plife Science Grade 2014 November
 - Setting Reading Goals Scop Plife Science Grade 2014 November
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Scop Plife Science Grade 2014 November
 - Fact-Checking eBook Content of Scop Plife Science Grade 2014 November
 - 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

Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November Books

What is a Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November 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 Scop Plife Science Grade 2014 November :

~~quick guide nokia 2760 manual~~

~~question paper of natural sciences final examination in 2014~~

quick recipe for salmon

~~quick tomato sauce spanish rice recipe~~

~~questions about climatology november 2014 geography~~

quiet strength study guide

quickbooks fundamentals learning guide 2015 answers

quintonal gender bender drugs english edition

quick test pro manual

qui suisje apprendre agrave mieux se connaitre deacuteouverte t

quick serve bottle warmer manual

question paper limpopo september 2014 accounting

~~question paper june 2014 accounting grade 11~~

qui aime bien vaccine peu

~~quick key lime pie recipe~~

Scop Plife Science Grade 2014 November :

journey when you love a woman lyrics genius lyrics - Jul 02 2022

web jul 10 1996 when you love a woman lyrics verse 1 in my life i see where i ve been i said that i d never fall again within myself i was wrong my searching ain t over over i know that chorus when

journey when you love a woman official video youtube - Jan 08 2023

web when you love a woman by journey listen to journey journey lnk to listenydw watch more journey videos journey lnk to

listenyd youtube su

journey when you love a woman lyrics youtube - Dec 27 2021

web feb 21 2012 this is a lyrics video of when you love a woman disclaimer this song does not belong to me i am displaying it please comment and favourite

journey to bethlehem director adam anders inks with brillstein - Jan 28 2022

web sep 14 2023 the four time grammy nominee and two time people s choice award winner co wrote directed and produced the sony pictures affirm film feature musical journey to bethlehem which opens on nov 10

journey to a woman overdrive - Apr 11 2023

web aug 1 2014 following on from classic novels odd girl out i am a woman and women in the shadows journey to a woman finds laura in love among the lesbian bohemia of greenwich village praise for ann bannon bannon s books grab you and don t let go village voice when i was young bannon s books let me imagine myself into her new

a woman s journey johns hopkins medicine - May 12 2023

web a woman s journey empowering women to make informed health care decisions since 1995 johns hopkins medicine s annual women s health program a woman s journey provides new and compelling information about important issues affecting women s health

journey when you love a woman youtube - Feb 26 2022

web feb 24 2017 artist journeyalbum trial by firetrack 03released 1996official site journeymusic comitunes itunes apple com us album trial by fire i

journey to a woman bannon ann author archive org - Mar 10 2023

web journey to a woman by bannon ann author publication date 1986 topics lesbians fiction lesbians married women identity fiction greenwich village new york n y fiction new york state new york greenwich village publisher tallahassee fla naiad press collection inlibrary printdisabled internetarchivebooks

when you love a woman wikipedia - Jun 01 2022

web when you love a woman is a song by american rock band journey it is the third track from their 10th studio album trial by fire 1996 and was released as the lead single from that album in september 1996

journey to a woman wikipedia - Aug 15 2023

web journey to a woman is a lesbian pulp fiction novel written in 1960 by ann bannon pseudonym of ann weldy it is the fifth in a series of pulp fiction novels that eventually came to be known as the beebo brinker chronicles

journey when you love a woman official video 1996 - Jul 14 2023

web feb 26 2010 when you love a woman by journeylisten to journey journey lnk to listenydwatc more journey videos

journey lnk to listenyd youtubesubscr

journey to a woman academic dictionaries and encyclopedias - Nov 06 2022

web name journey to a woman image caption first edition cover author ann bannon cover artist country united states
language english series the beebo brinker chronicles genre lesbian pulp fiction publisher gold medal books pub date 1960
media type print paperback

destined to play fifa documentary tells journey of saudi women - Mar 30 2022

web 1 day ago saff s dedicated women s football department has taken massive strides across every aspect of the game in recent years not only was a senior u 17 and a futsal national team established but

divinity 2023 imdb - Feb 09 2023

web divinity directed by eddie alcazar with bella thorne stephen dorff caylee cowan scott bakula centers on two mysterious brothers who abduct a mogul during his quest for immortality meanwhile a seductive woman helps them launch a journey of self discovery

journey when you love a woman with lyrics youtube - Aug 03 2022

web mar 17 2023 experience the magic of art and music in this breathtaking video with moving lyrics set to a beautiful soundtrack this video will take you on an emotional

pdf epub journey to a woman download - Dec 07 2022

web jul 16 2023 following the release of cleis press s new editions of beebo brinker and odd girl out journey to a woman finds laura in love among the lesbian bohemia of greenwich village what happens to three strong beautiful women when one of them beth rediscovers her passion for another laura only to run headlong into the arms of the

director wilderness one woman s journey from wedded bliss to - Oct 05 2022

web 1 day ago she s a woman protagonist who goes through this incredible emotional journey of love and seeking revenge kim said jenna coleman attends the fashion awards at royal albert hall in london in 2021

my transition to womanhood it s been a long winding journey - Jun 13 2023

web sep 25 2021 sat 25 sep 2021 06 25 edt last modified on sat 25 sep 2021 06 27 edt imagine running a race where the finish line continually relocates itself this is the best way i can describe my transition

journey the eyes of a woman official audio youtube - Apr 30 2022

web feb 1 2022 the eyes of a woman by journeylisten to journey journey lnk to listenydwatc more journey videos journey lnk to listenyd youtubesubscribe

journey to a woman bannon ann 9780930044862 - Sep 04 2022

web jan 1 1983 journey to a woman paperback january 1 1983 dubbed the queen of lesbian pulpâ for her series of landmark

novels beginning in 1957 Ann Bannon's work defined lesbian fiction for the pre Stonewall generation

the new confessions of an economic hit man supersummary - Feb 01 2022

web economic hit men are the shock troops of what Perkins calls the corporatocracy a vast network of corporations banks colluding governments and the rich and powerful people

the new confessions of an economic hit man google books - Sep 20 2023

web Feb 9 2016 National Geographic Books Feb 9 2016 Biography Autobiography 384 pages featuring 15 explosive new chapters this new edition of the New York Times

the new confessions of an economic hit man audible.com - Aug 07 2022

web 00:00 the new confessions of an economic hit man summary John Perkins an insider's account of imperialism in the modern age 4.4/5 stars 26 mins start your

the new confessions of an economic hit man google books - Aug 19 2023

web Feb 9 2016 new revelations featuring 15 explosive new chapters this expanded edition of Perkins's classic bestseller brings the story of economic hit men up to date

the new confessions of an economic hit man summary blinkist - Jul 06 2022

web Feb 22 2021 former economic hit man John Perkins shares new details about the ways he and others cheated countries around the globe out of trillions of dollars then he

the new confessions of an economic hit man google - Apr 15 2023

web Feb 9 2016 featuring 15 explosive new chapters this new edition of the New York Times bestseller brings the story of economic hit men up to date and chillingly home to the

the new confessions of an economic hit man amazon.com - Nov 10 2022

web featuring 12 explosive new chapters this new edition of the New York Times bestseller brings the story of economic hit men up to date and chillingly home to the U.S. but it

the new confessions of an economic hit man by John Perkins - May 04 2022

web in new confessions of an economic hit man John Perkins provides fresh and chilling evidence of how the corporatocracy has grown its influence to every corner of the globe

book review the new confessions of an economic hit man by - Mar 02 2022

web get unlimited access to supersummary for only 0.70/week John Perkins thanks for exploring this supersummary study guide of the new confessions of an economic

the new confessions of an economic hit man goodreads - May 16 2023

web Feb 9 2016 new featuring 15 explosive new chapters this expanded edition of Perkins's classic bestseller brings the

story of economic hit men ehms up to date and

confessions of an economic hit man wikipedia - Dec 31 2021

web the new york times bestseller confessions of an economic hit man 2004 by john perkins is a confession of his time at a private us consulting group that deliberately

the new confessions of an economic hit man archive org - Oct 09 2022

web overview the new confessions of an economic hit man is the 2016 sequel to john perkins s best selling confessions of an economic hit man 2004 which reveals how

the new confessions of an economic hit man - Jul 18 2023

web feb 9 2016 the new confessions of an economic hit man paperback february 9 2016 by john perkins author 4 7 1 522 ratings see all formats and editions

the new confessions of an economic hit man amazon fr - Mar 14 2023

web featuring 15 explosive new chapters this new edition of the new york times bestseller brings the story of economic hit men up to date and chillingly home to the u s but it

confessions of an economic hit man summary supersummary - Oct 29 2021

book review the new confessions of an economic hit man by - Jun 17 2023

web sep 1 2001 natalie disque walden university follow abstract author john perkins writes a bold yet compelling account of his personal experiences as an economic hit

the new confessions of an economic hit man 2nd edition - Feb 13 2023

web introduction the new confessions part i 1963 1971 1 dirty business 2 an economic hit man is born 3 in for life 4 indonesia lessons for an ehms 5 saving a

□□□□ □□□□ **the new confessions of an economic hit man pdf** - Nov 29 2021

the new confessions of an economic hit man how america - Apr 03 2022

web walden university author john perkins writes a bold yet compelling account of his personal experiences as an economic hit man ehms involving manipulating data and

the new confessions of an economic hit man barnes - Jan 12 2023

web summary the word of mouth international bestseller now updated with 15 explosive new chapters false economics threats bribes

the new confessions of an economic hit man penguin books uk - Dec 11 2022

web john has lived four lives as an economic hit man ehm as the ceo of a successful alternative energy company who was rewarded for not disclosing his ehm past as an

the new confessions of an economic hit man john perkins - Jun 05 2022

web jul 5 2018 synopsis the word of mouth international bestseller now updated with 15 explosive new chapters false economics threats

the new confessions of an economic hit man supersummary - Sep 08 2022

web the riveting third edition of this new york times bestseller blows the whistle on china s economic hit man ehm strategy exposes corruption on an international scale and

engineering mechanics statics 3rd edition quizlet - Feb 08 2023

web jan 1 1995 engineering mechanics statics 3rd edition by pytel andrew kiusalaas jaan 2009 hardcover david j mcgill wilton w king on amazon com free shipping on qualifying offers engineering mechanics statics 3rd edition by pytel andrew

engineering mechanics statics 3rd edition textbooks com - Jul 01 2022

web engineering mechanics statics 3rd edition solution manual pytel kiusalaas download 1 4 2 4 engineering mechanics statics 3rd edition solution manual pytel kiusalaas download 3 4 engineering mechanics statics 3rd ed andrew pytel jaan

[engineering mechanics statics pytel andrew archive org](#) - Jan 07 2023

web engineering mechanics statics si edition third edition volume 1 andrew pytel jaan kiusalaas ishan sharma z lib org 1

[engineering mechanics statics dynamics pytel andrew](#) - May 11 2023

web engineering mechanics statics dynamics by pytel andrew kiusalaas jaan publication date 1994 topics statics dynamics mechanics applied publisher new york ny harpercollins college publishers

[engineering mechanics statics 3rd edition amazon com](#) - Mar 09 2023

web engineering mechanics statics pytel andrew free download borrow and streaming internet archive engineering mechanics statics by pytel andrew publication date 1999 topics statics mechanics applied publisher pacific grove brooks cole collection

engineering mechanics statics si version andrew pytel jaan - Nov 24 2021

web apago pdf enhancer study guide to accompany pytel and kiusalaas engineering mechanics statics third edition j l pytel and a pytel 2010 the goals of this study guide are two fold the goals of this study guide are two fold

[engineering mechanics statics si edition andrew pytel jaan](#) - Oct 04 2022

web exercise 24 at quizlet we re giving you the tools you need to take on any subject without having to carry around solutions manuals or printing out pdfs now with expert verified solutions from engineering mechanics statics 3rd edition you ll learn how to solve

engineering mechanics dynamics 3rd edition powell s books - Feb 25 2022

web engineering mechanics statics 3rd edition solution manual pytel kiusalaas download 3 4 engineering mechanics statics 3rd ed andrew pytel jaan kiusalaas anexo b free download as pdf file pdf text file txt or read engineering mechanics [engineering mechanics statics activate learning with these](#) - Jan 27 2022

web jan 1 2010 the third edition of engineering mechanics statics written by nationally regarded authors andrew pytel and jaan kiusalaas provides students with solid coverage of material without the overload of extraneous detail

engineering mechanics statics 3rd edition by andrew pytel - Sep 03 2022

web the third edition of engineering mechanics statics written by nationally regarded authors andrew pytel and jaan kiusalaas provides students with solid coverage of material without the overload of extraneous detail

[engineering mechanics statics 3rd edition solution manual](#) - Dec 26 2021

web jan 1 2016 andrew pytel jaan kiusalaas cengage learning jan 1 2016 technology engineering 608 pages engineering mechanics statics 4e written by authors andrew pytel and jaan kiusalaas provides readers with a solid understanding of

engineering mechanics statics 3rd edition by pytel andrew - Dec 06 2022

web 0 reviews reviews aren't verified but google checks for and removes fake content when it's identified engineering mechanics statics 4e written by authors andrew pytel and jaan kiusalaas provides readers with a solid understanding of statics without the

engineering mechanics statics third edition - Apr 10 2023

web our resource for engineering mechanics statics includes answers to chapter exercises as well as detailed information to walk you through the process step by step with expert solutions for thousands of practice problems you can take the guesswork out of studying

[engineering mechanics statics si edition third edition volume](#) - Nov 05 2022

web a section of a piping system is acted on by the three couples shown in fig a determine the magnitude of the resultant couple vector $\mathbf{C}_R$ and its direction cosines given that the magnitudes of the applied couples are $C_1 = 50 \text{ N}\cdot\text{m}$ $C_2 = 90 \text{ N}\cdot\text{m}$ and $C_3 = 140 \text{ N}\cdot\text{m}$

engineering mechanics statics 3rd edition solution manual pytel - Apr 29 2022

web nationally regarded authors andrew pytel and jaan kiusalaas bring a depth of experience that can't be surpassed in this third edition of engineering mechanics dynamics they have refined their solid coverage of the material without overloading it with extraneous

engineering mechanics statics 3rd ed andrew pytel jaan - Jun 12 2023

web dec 1 2017 engineering mechanics statics 3rd ed andrew pytel jaan kiusalaas 1 free download pdf december 1 2017

author cristina marie pegarro alfarro category engineering mechanics

engineering mechanics statics andrew pytel jaan - Aug 14 2023

web mar 6 2009 engineering mechanics statics the third edition of engineering mechanics statics written by nationally regarded authors andrew pytel and jaan kiusalaas provides students with

engineering mechanics statics 3rd edition quizlet - Aug 02 2022

web mar 20 2019 engineering mechanics statics 3rd edition andrew pytel chipollo 20 marzo 2019 ingenieria mecánica statics and dynamics are basic subjects in the general field known as engineering mechanics at the risk of oversimplifying engineering

engineering mechanics statics 3rd edition andrew pytel - May 31 2022

web engineering mechanics statics 122 solved problems question 3 6 the force system shown consists of the couple c and four forces if the resultant of this system is a 500 lb in counterclockwise couple determine p q and c question 10 3 the

engineering mechanics statics andrew pytel jaan kiusalaas - Jul 13 2023

web jan 1 2016 engineering mechanics statics 4e written by authors andrew pytel and jaan kiusalaas provides readers with a solid understanding of statics without the overload of extraneous detail the

engineering mechanics statics 3rd edition by andrew pytel jaan - Mar 29 2022

web jan 1 2016 engineering mechanics statics activate learning with these new titles from engineering pytel andrew kiusalaas jaan 9781305501607 amazon com books books

engineering mechanics statics si edition google books - Oct 24 2021

engineering mechanics statics si edition third edition - Sep 22 2021