

LIFE SCIENCES

Grade 11

REVISION 2023 TERMS 3 AND 4

ANSWER

Life Science Forth Term Paper1

Ying-Ying Zheng

Life Science Forth Term Paper1:

Energy Research Abstracts ,1990 Research in Education ,1972 Annual Catalogue of the State Normal School at Los Angeles for the School Year Ending June 30 ... and Circular for ... California State College, Los Angeles, State Normal School, Los Angeles (Calif.),1896 Essays of an Information Scientist: 1984, The awards of science and other essays Eugene Garfield,1977 Science John Michels,1927 Vols for 1911 13 contain the Proceedings of the Helminothological Society of Washington ISSN 0018 0120 1st 15th meeting New York School Journal ,1905

Year-book of the National Herbart Society for the Scientific Study of Teaching, 1905 The Academy and Literature Educational Digital Transformation: New Technological Challenges for Competence Development Julio Cabero ,1903 Almenara, Carmen Llorente Cejudo, Antonio Palacios-Rodriguez, 2023-10-09 The COVID 19 pandemic has provided a unique opportunity to examine our understanding of the opportunities and challenges that ICTs offer to support the functioning of all aspects of education The closure of educational institutions has forced a radical change in the practices of teachers and societies regarding the use of ICT to support teaching learning social relations and work in many sectors In the training of digital skills the instrumental mastery of ICT continues to outweigh the preparation of citizens to make constructive and safe use of technologies After two decades of educational policies we continue to reduce digital literacy to instrumental skills That is you do not learn why to use educational technologies and how or to be critical of their use Education 4 0 seeks to develop and enhance the digital skills of students and teachers in digital teaching environments through the creation of a line of academic training programs for undergraduate postgraduate and continuing education This article collection welcomes contributions to improve training policies and practices in Educational Digital Transformation for educational development strategies activities proposals for assessment and certification of skills The Academy and Literature Charles Edward Cutts Birch Appleton, Charles Edward Doble, James Sutherland Cotton, Charles Lewis Hind, William Teignmouth Shore, Alfred Bruce Douglas, Ellis Ashmead-Bartlett, Thomas William Hodgson Crosland, 1903 Annual Report of the Board of Education ,1907 The Athenaeum ,1904 Saturday Review of Politics, Literature, Science and Art ,1907 **NASA SP.** ,1965

Journal of Applied Microscopy and Laboratory Methods L. B. Elliott,1900 Money for Graduate Students in the Physical & Earth Sciences Gail Ann Schlachter,R. David Weber,2007-05 The Publishers Weekly,1923 The Saturday Review of Politics, Literature, Science and Art,1882 Bulletin of Information University of Chicago,1921

Summer Sessions Information and Class Schedules Bulletin University of Nebraska--Lincoln. Summer Sessions Office,1918 Note 1973 77 editions formerly classified U0500T001

Decoding Life Science Forth Term Paper1: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "Life Science Forth Term Paper1," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring affect 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://splashdogs.com/public/scholarship/default.aspx/Letter Of Recommendation Guide.pdf

Table of Contents Life Science Forth Term Paper1

- 1. Understanding the eBook Life Science Forth Term Paper1
 - The Rise of Digital Reading Life Science Forth Term Paper1
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Life Science Forth Term Paper1
 - 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 Life Science Forth Term Paper1
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Life Science Forth Term Paper1
 - Personalized Recommendations
 - Life Science Forth Term Paper1 User Reviews and Ratings
 - Life Science Forth Term Paper1 and Bestseller Lists

- 5. Accessing Life Science Forth Term Paper1 Free and Paid eBooks
 - Life Science Forth Term Paper1 Public Domain eBooks
 - Life Science Forth Term Paper1 eBook Subscription Services
 - Life Science Forth Term Paper1 Budget-Friendly Options
- 6. Navigating Life Science Forth Term Paper1 eBook Formats
 - o ePub, PDF, MOBI, and More
 - Life Science Forth Term Paper1 Compatibility with Devices
 - Life Science Forth Term Paper1 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Life Science Forth Term Paper1
 - Highlighting and Note-Taking Life Science Forth Term Paper1
 - Interactive Elements Life Science Forth Term Paper1
- 8. Staying Engaged with Life Science Forth Term Paper1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Life Science Forth Term Paper1
- 9. Balancing eBooks and Physical Books Life Science Forth Term Paper1
 - Benefits of a Digital Library
 - \circ Creating a Diverse Reading Collection Life Science Forth Term Paper1
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Life Science Forth Term Paper1
 - Setting Reading Goals Life Science Forth Term Paper1
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Life Science Forth Term Paper1
 - Fact-Checking eBook Content of Life Science Forth Term Paper1
 - 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

Life Science Forth Term Paper1 Introduction

In the digital age, access to information has become easier than ever before. The ability to download Life Science Forth Term Paper1 has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Life Science Forth Term Paper 1 has opened up a world of possibilities. Downloading Life Science Forth Term Paper 1 provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Life Science Forth Term Paper1 has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Life Science Forth Term Paper1. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Life Science Forth Term Paper1. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Life Science Forth Term Paper1, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Life Science Forth

Term Paper1 has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Life Science Forth Term Paper1 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. Life Science Forth Term Paper1 is one of the best book in our library for free trial. We provide copy of Life Science Forth Term Paper1 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Life Science Forth Term Paper1. Where to download Life Science Forth Term Paper1 online for free? Are you looking for Life Science Forth Term Paper1 PDF? This is definitely going to save you time and cash in something you should think about.

Find Life Science Forth Term Paper1:

lesson plan ne gjuhen angleze
les terres dor
lesson 1practice lines that intersect circles
let the snow fall hunter cade mystery series english edition
lesson 3 definitions answers

lesson 9 practice a introduction to sequence lespagne recueil de textes sur la question espagnole lesson 3 skills practice surface area of rectangular prisms

lesson 11 5 practice a square root functions

lesson 14 arc length and circumference worksheet

lesson plan on first day jitters
let it be ukulele chords
lesson plans for summer camp
lesson 9 practice b introduction to sequences

Life Science Forth Term Paper1:

ken paxton s trial became a contest over republican politics - Feb 10 2023

web 7 hours ago sept 16 2023 2 32 p m et the case against ken paxton a nationally prominent conservative politician was overseen by a board of managers from the state s house led by republicans and it

the scorch trials flashcards quizlet - Jun 02 2022

web scorch trials test 10 terms jakarri buckner sets found in the same folder the scorch trials test 28 terms katelyn1018 the scorch trial characters 23 terms spencerstalnaker verified questions spanish complete these three conversations with words from the box use the fotonovela as a guide one word will be used more than once

maze runner the scorch trials 2015 trivia imdb - Feb 27 2022

web maze runner the scorch trials 2015 trivia on imdb cameos mistakes spoilers and more the scorch trials guiz bookrags com - May 13 2023

web take our free the scorch trials quiz below with 25 multiple choice questions that help you test your knowledge determine which chapters themes and styles you already know and what you need to study for your upcoming essay midterm or final exam take the free quiz now directions click on the correct answer questions 1 5 of 25 1

texas ag paxton acquitted on all charges in impeachment trial - Mar 11 2023

web 7 hours ago texas attorney general ken paxton was acquitted at his impeachment trial by the republican led state senate which cleared the conservative leader of all charges after the toughest test of his

the scorch trials study guide gradesaver - May 01 2022

web the scorch trials study guide contains a biography of james dashner literature essays a complete e text quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes

maze runner scorch trials proprofs quiz - Aug 16 2023

web mar 21 2022 correct answer b world in catastrophe killzone experiment department 2 alby died when he ran off the cliff a true b false correct answer b false 3 what did thomas remember when he was in the glade a he wanted to become a runner b his first name c the actors in star wars

google goes to trial in biggest us challenge to tech power in - Nov 07 2022

web sep $11\ 2023$ mon $11\ sep\ 2023\ 06\ 00$ edt the trial in a landmark antitrust case against google is scheduled to start on tuesday in washington district court over charges of monopolizing the online search space

which scorch trials character are you mostly like proprofs quiz - Aug 04 2022

web mar 20 2022 start create your own quiz the maze runner was a very captivating book where we follow thomas and his allies as they try to make it safely out of the scorch in search of the gladers and join their resistance movement there have been some characters that showed exemplary strength and won our hearts which scorch trials

the scorch trials quizzes gradesaver - Jul 15 2023

web the scorch trials study guide contains a biography of james dashner literature essays a complete e text quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes

texas ag ken paxton s impeachment trial is almost over this - Jul 03 2022

web 1 day ago the impeachment trial for suspended texas attorney general ken paxton continues in the senate chamber at the texas capitol friday sept 15 2023 in austin texas

the scorch trials essay questions gradesaver - Oct 06 2022

web the scorch trials study guide contains a biography of james dashner literature essays a complete e text quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes scorch trial auizzes quotev - Jan 29 2022

web browse through and take scorch trial quizzes browse through and take scorch trial quizzes sign up log in home stories quizzes create profile books just for fun the scorch trials the maze runner survive scorch title describes add to library 6 discussion 9 scorch trials life february 7

google antitrust trial google viewed exclusive search deals as - Jun 14 2023

web sep 12 2023 google antitrust trial google viewed exclusive search deals as a weapon justice department says it is a test of whether our current antitrust laws the sherman act written in

which maze runner the scorch trials character am i ai quiz - Sep 05 2022

web dec 1 2022 maze runner the scorch trials stylized onscreen simply as the scorch trials is a 2015 american dystopian science fiction film based on james dashner s 2010 novel the scorch trials the second novel in the maze runner book series

the film is the sequel to the 2014 film the maze runner and the second installment in the maze paxton impeachment trial texas attorney general is acquitted - Dec 08 2022

web 10 hours ago senators prepare to vote in ken paxton impeachment trial a two thirds vote for conviction on any of the 16 articles of impeachment would result in mr paxton the attorney general of texas being

quiz would you survive the scorch trials sweety high - Mar 31 2022

web sep 18 2015 the maze runner sequel the scorch trials hits theaters today and we are dying to see if our fave characters hi dylan o brien can survive the scorch want to know if you have what it takes to beat the scorch take our quiz to determine your fate via catch the flare

the scorch trials test flashcards quizlet - Apr 12 2023

web 1 28 flashcards learn test match q chat created by katelyn1018 terms in this set 28 how did thomas feel about killing the crank he didn t feel like he had the right to take a human life what were the words on the sign in the alley thomas you re the real leader what happened when thomas and brenda had the drink at the club

quick pick maze runner the scorch trials quiz by doctor arzt sporcle - Jan 09 2023

web feb 9 2021 can you match the actor to the character they play in the film maze runner the scorch trials quick pick maze runner the scorch trials quiz by doctor arzt quizzes

the scorch trials quizzes quotev - Dec 28 2021

web feb 10 2018 books love friendship maze runner life maze runner boyfriend maze runner scorch trials the quiz includes your boyfriend brother best friend job and life warning long ish results

pogil solubility answer sheet ahecdata utah edu - Mar 30 2022

web jul 1 2023 merely said the pogil solubility answer sheet is universally compatible taking into account any devices to read page 1 15 july 01 2023 pogil solubility answer sheet chemistry chemical reactivity chemistry 2epogil activities for high school chemistrymodern analytical chemistry

chem 115 pogil worksheet week 5 limiting reagents solubility - Apr 11 2023

web be able to calculate theoretical yield of a reaction based on a limiting reagent be able to identify which solutes will be strong electrolytes weak electrolytes or nonelectrolytes in aqueous solution be able to predict the solubility pogil solubility answer sheet pdf full pdf voto uneal edu - Jan 28 2022

web enter the realm of pogil solubility answer sheet pdf a mesmerizing literary masterpiece penned with a distinguished author guiding readers on a profound journey to unravel the secrets and potential hidden within every word solubility pogil answer key pdf ebook and manual free download - Sep 04 2022

web you can download pdf versions of the user s guide manuals and ebooks about solubility pogil answer key you can also

find and download for free a free online manual notices with beginner and intermediate downloads documentation you can download pdf files or doc and ppt about solubility pogil answer key for free but please respect pogilsolubilityanswersheet wikimid2 aapg - Nov 06 2022

web transformation from a traditional approach to a pogil student centered approach discuss their motivations and implementation processes issues related to implementing pogil in large classes

solubility wcs - Jan 08 2023

web solubility is typically reported as grams of solute per 100 g h 2 o for example if a maximum of 20 4 g of table sugar sucrose will dissolve in 10 0 g of water at 20 c then the solubility of sucrose would be 204 g sucrose 100 g h 2 o 6 would it be acceptable for a student to use trial 2 from experiment 1 to determine the solubility

pogil solubility answer key free pdf download - Jul 02 2022

web apr 26 2023 if you are looking for the pogil solubility answer key you ve come to the right place download the answer key pdf for free

pogil solubility curves editted google docs google sheets - Feb 09 2023

web model table 1 solubility data complete the model use google spreadsheets to make a graph of the solubility data in table create a google sheet copy and paste the data table above into sheets highlight the data and insert chart and pick a scatter graph

wongchemistry home - Jun 13 2023

web wongchemistry home

pogil solubility answer sheet university of utah - Dec 27 2021

web pogil solubility answer sheet yeah reviewing a ebook pogil solubility answer sheet could grow your near friends listings this is just one of the solutions for you to be successful as understood exploit does not recommend that you have astonishing points

pogil solubility with answer key sapjebucket - Apr 30 2022

web see last wéeks answer sheet nacl is á strong electrolyte whén dissolved in watér but pure the solubility próduct cónstant k sp for silver carbonate ag 2 co 3 is 8 10 1012 compare the solubility of silver carbonaté in water tó pogil chemistry - Dec 07 2022

web the pogil project is grateful for the support of the national science foundation the department of education the hach scientific foundation google education and university relations fund of tides foundation merle robbins franklin marshall college and the toyota usa foundation request a workshop

pogil solubility answer sheet neurocme med ucla edu - Feb 26 2022

web 2 pogil solubility answer sheet 2022 08 15 down with facts and vocabulary the typical non science major student needs information presented in a way that is easy to read and understand even more importantly the content should be meaningful students do much better when they understand why biology is relevant to their everyday lives for

solubility pogil answers key google docs google sheets - May 12 2023

web there are two philosophical supports of the on this page you can read or download chemistry pogil solubility answer key in pdf format if you don't see any interesting for you use our search pogilsolubilityanswersheet pdf old arianavara - Aug 03 2022

web pogil activities for high school chemistry introduction to chemistry chemistry pogilsolubilityanswersheet downloaded from old arianavara com by guest sterling shaylee the language of science education academic press the book comprises papers presented at the 7th international conference on university learning and

pogil home - Jun 01 2022

web a pogil activity is designed to be used with self managed teams that employ the instructor as a facilitator of learning rather than as a source of information a pogil activity guides students through an exploration to construct deepen refine and or integrate understanding of relevant disciplinary content the application and development of

2 pogil saturated and unsaturated solutions and solubility - Aug 15 2023

web 2 pogil saturated and unsaturated solutions and solubility key pdf loading

pogil pogil answer keys - Oct 05 2022

web pogil answer keys the pogil project is aware that many teachers post pogil activity answer keys on their school websites please be advised that doing this is strongly discouraged because doing so violates copyright law and does a great disservice to students who are trying to work through the problems on their own

chem 115 pogil worksheet week 5 answers limiting - Jul 14 2023

web chem 115 pogil worksheet week 5 answers limiting reagents solubility and solution reactions key questions exercises 1 see last week s answer sheet 2 see last week s answer sheet 3 see last week s answer sheet 4 nacl is a strong electrolyte when dissolved in water but pure solid nacl does not conduct electricity why

properties of solutions umb edu - Mar 10 2023

web chem 116 pogil worksheet week 4 properties of solutions key questions identify the principal type of solute solvent interaction that is responsible for forming the following solutions a kno in water b br in benzene c h c glycerol 3 2 6 6 ch oh ch oh ch oh in water d hcl in acetonitrile ch cn hcl does not form 2 3

lillian spengane memorial nursing school fees 2022 2023 - Dec 06 2022

web view all institutions lillian spengane memorial nursing school details find information such as courses offered contact

details and admissions

<u>lillian spengane memorial nursing school online applyscholars</u> - Sep 03 2022

web oct 5 2022 the management of the lillian spengane memorial nursing school has released the fee structure for all courses for 2022 20231 academic sessions fees vary

alice lee centre for nursing studies yong loo lin school of - Aug 02 2022

web mar 25 2022 lillian spengane memorial nursing school online application is calling applicants seeking to apply for 2023 2024 admission the lillian spengane memorial

<u>lillian spengane memorial nursing school contacts details</u> - Mar 29 2022

web sep 19 2023 snb annual report 2022 28 aug 2023 13 55 revised nurses and midwives scope of professional nursing and midwifery practice and core competencies and

nurses learning hub singapore nurses association sna - Feb 08 2023

web apr 22 2023 the approved lillian spengane memorial nursing school costs for undergraduate and graduate students for the 2023 2024 academic year depending on

nursing training and education ministry of health - Jan 07 2023

web mar 27 2022 the lillian spengane memorial nursing school school fees schedule for the 2022 2022 academic session has been released and is available on this page

lillian spengane memorial nursing school fees structure 2024 - Oct 04 2022

web apr 24 2018 nursing training and education a range of education options from basic certification to post graduate studies is available when you choose nursing as your

lillian spengane memorial nursing school 2024 intake - Oct 16 2023

the lillian spengane memorial nursing school faculty of health sciences online admission application form 2024 intake application fee courses offered requirements term dates bursaries registration dates registration dates department programmes duration contact address see more

lillian spengane memorial nursing school - Aug 14 2023

the south african nursing council sanc as well as the lillian spengane memorial nursing school and midwifery has released the online admission see more

lillian spengane memorial nursing school fees 2023 2024 - Jun 12 2023

web oct 27 2023 the management of the lillian spengane memorial nursing school has officially announced the release of their tuition fees for both returning and fresh students

snb home moh - Jul 01 2022

web the lillian spengane memorial nursing school fees structure 2024 for all new and returning students is published all new old students are expected to check the fees

lillian spengane memorial nursing school fees structure - Apr 29 2022

web sep 30 2023 5 july 2022 nus alice lee centre for nursing studies the alice lee centre for nursing studies was established in 2005 it is the only institution in singapore

lillian spengane memorial nursing school registration dates - May 31 2022

web lillian spengane memorial nursing school application 2023 lillian spengane memorial nursing school online application form admission entry requirements

lillian spengane memorial nursing school fees 2023 - May 11 2023

web jun 11 2020 lillian spengane memorial nursing school application 2022 check lsmns portal here for applications details 2021 the lillian spengane memorial

lillian spengane memorial nursing school reopening dates - Dec 26 2021

web name international lillian spengane memorial nursing school name local lillian spengane memorial nursing school pty ltd type of institution academy address

lillian spengane memorial nursing school application form - Jul 13 2023

it is recommended that mathematics physical sciences and biologybe taken as matriculation subjects candidates shall be admitted to the program if see more

lillian spengane memorial nursing school fees structure - Apr 10 2023

web the lillian spengane memorial nursing school admissions office has made the application form for the 2023 2024 academic year available online for admission to

lillian spengane memorial nursing school fees structure - Jan 27 2022

web nov 12 2021 this is the official lillian spengane memorial nursing school fees structure 2022 inlined with the sanc fee and fine to be paid by each bachelor s

lillian spengane memorial nursing school 2024 intake - Nov 24 2021

web jul 13 2023 lillian spengane memorial nursing school admission requirements for 2023 intake july 13 2023

lillian spengane memorial nursing school online application - Nov 05 2022

web a special message to nurses from methodist girls school primary recent inaugural paediatric neonatal conference 2023 64th annual general meeting 25th march 2023

lillian spengane memorial nursing school tuition fees 2024 2025 - Sep 15 2023

to qualify as a nurse you can do one of the following 1 a four year bachelor degreein nursing 1 a three year diploma 1 a one

year higher certificatein see more

<u>lillian spengane memorial nursing school admission</u> - Feb 25 2022

web jun 26 2023 the lillian spengane memorial nursing school intake registration dates for 2024 2025 apply now for nursing admission intake at the lillian spengane

lillian spengane memorial nursing school details - Mar 09 2023

web dec 20 2022 the official lillian spengane memorial nursing school fees for the 2023 2024 academic session please understand that the official lillian spengane