

**LIFE SCIENCES - Grade 10****TOPIC TEST: History of Life on Earth****MARKS:30****TIME: 30 minutes**

---

**SECTION A****QUESTION 1**

Various options are given as possible answers to the following questions. Choose the answer and write only the letter (**A to D**) next to the question number (**1.1 to 1.5**) in the **ANSWER BOOK**, for example **1.6 D**.

- 1.1 Palaeontology is a study of ...
- A the half-life of radioactive substances.
  - B continental drift.
  - C fossils.
  - D changes during the Cambrian explosion.
- 1.2 Which method allows scientists to say that one fossil is older than the other?
- A Fossilization
  - B Relative dating
  - C Petrification
  - D Radiometric dating
- 1.3 A period in the earth's history where global temperatures plummet and there is extensive glaciation is known as ...
- A the greenhouse effect.
  - B a cold spell.
  - C a hole in the ozone.
  - D an ice age.
- 1.4 .....are the richest sources of fossils
- A Layers of strata
  - B Index fossils
  - C Mineral salts
  - D Sedimentary rocks

# Life Sciences Pscope Grade 12014 Final Examination

**Craig Fox, Sim B. Sitkin**



## **Life Sciences Pscope Grade 12014 Final Examination:**

*Monthly Catalog of United States Government Publications* United States. Superintendent of Documents, 1988 February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications September issue includes List of depository libraries June and December issues include semiannual index *The College Board College Handbook 2006* College Board, 2005-07-20 The easy way to find and compare schools fast **The college handbook** College Board, 1994-08 Now in its 32nd popular year this invaluable guide provides complete detailed information on all two and four year colleges in America This edition features expanded information on the new SAT and other topics of vital interest to families and students selecting a college Still the best resource of its kind Randax Education Guide The College Handbook, 1994 *Peterson's Colleges with Programs for Students with Learning Disabilities* Charles T. Mangrum, Stephen S. Strichart, 1994 Profiles over 800 colleges and universities that offer programs and services for students with learning disabilities **Lovejoy's College Guide** Charles T. Straughn, II, Barbarasue Lovejoy Straughn, 1997 Unparalleled in its wealth of up to the minute college information Lovejoy's has been totally redesigned to make it easier to use Among its outstanding features are more than 4 200 listings a complete directory of two and four year colleges and universities admissions requirements an Career Curricular Index scholarship data and much more Free 3 5 disk *SET Life Science: Solved Exam Questions* Kailash Choudhary, D. Sondge, R.P. Saran, N. Soni, 2017-12-01 The present book SET Life Science Solved Papers is specially developed for the aspirants of SET Life Sciences Examinations This book includes previous solved papers SET Life Science papers of Maharashtra Andhra Pradesh Karnataka Tamil Nadu Kerala Gujarat and Rajasthan Main objective of this book is to develop confidence among the candidates appearing for SET examination in the field of Life Sciences Both fundamental and practical aspects of the subject have been covered by solved questions This book meets the challenging requirements of CSIR NET GATE IARI BARC and Ph D entrance of various Indian universities

Immerse yourself in heartwarming tales of love and emotion with Explore Love with is touching creation, Experience Loveis Journey in **Life Sciences Pscope Grade 12014 Final Examination** . This emotionally charged ebook, available for download in a PDF format ( \*), is a celebration of love in all its forms. Download now and let the warmth of these stories envelop your heart.

[https://www.splashdogs.com/data/uploaded-files/HomePages/magellan\\_maestro\\_4050\\_manual.pdf](https://www.splashdogs.com/data/uploaded-files/HomePages/magellan_maestro_4050_manual.pdf)

## **Table of Contents Life Sciences Pscope Grade 12014 Final Examination**

1. Understanding the eBook Life Sciences Pscope Grade 12014 Final Examination
  - The Rise of Digital Reading Life Sciences Pscope Grade 12014 Final Examination
  - Advantages of eBooks Over Traditional Books
2. Identifying Life Sciences Pscope Grade 12014 Final Examination
  - 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 Sciences Pscope Grade 12014 Final Examination
  - User-Friendly Interface
4. Exploring eBook Recommendations from Life Sciences Pscope Grade 12014 Final Examination
  - Personalized Recommendations
  - Life Sciences Pscope Grade 12014 Final Examination User Reviews and Ratings
  - Life Sciences Pscope Grade 12014 Final Examination and Bestseller Lists
5. Accessing Life Sciences Pscope Grade 12014 Final Examination Free and Paid eBooks
  - Life Sciences Pscope Grade 12014 Final Examination Public Domain eBooks
  - Life Sciences Pscope Grade 12014 Final Examination eBook Subscription Services
  - Life Sciences Pscope Grade 12014 Final Examination Budget-Friendly Options

6. Navigating Life Sciences Pscope Grade 12014 Final Examination eBook Formats
  - ePub, PDF, MOBI, and More
  - Life Sciences Pscope Grade 12014 Final Examination Compatibility with Devices
  - Life Sciences Pscope Grade 12014 Final Examination Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Life Sciences Pscope Grade 12014 Final Examination
  - Highlighting and Note-Taking Life Sciences Pscope Grade 12014 Final Examination
  - Interactive Elements Life Sciences Pscope Grade 12014 Final Examination
8. Staying Engaged with Life Sciences Pscope Grade 12014 Final Examination
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Life Sciences Pscope Grade 12014 Final Examination
9. Balancing eBooks and Physical Books Life Sciences Pscope Grade 12014 Final Examination
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Life Sciences Pscope Grade 12014 Final Examination
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Life Sciences Pscope Grade 12014 Final Examination
  - Setting Reading Goals Life Sciences Pscope Grade 12014 Final Examination
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Life Sciences Pscope Grade 12014 Final Examination
  - Fact-Checking eBook Content of Life Sciences Pscope Grade 12014 Final Examination
  - 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 Sciences Pscope Grade 12014 Final Examination 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 Life Sciences Pscope Grade 12014 Final Examination 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 Life Sciences Pscope Grade 12014 Final Examination 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 Life Sciences Pscope Grade 12014 Final Examination 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 Life Sciences Pscope Grade 12014 Final Examination. 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 Life Sciences Pscope Grade 12014 Final Examination any PDF files. With these platforms, the world of PDF downloads is just a click away.

### **FAQs About Life Sciences Pscope Grade 12014 Final Examination 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 Sciences Pscope Grade 12014 Final Examination is one of the best book in our library for free trial. We provide copy of Life Sciences Pscope Grade 12014 Final Examination in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Life Sciences Pscope Grade 12014 Final Examination. Where to download Life Sciences Pscope Grade 12014 Final Examination online for free? Are you looking for Life Sciences Pscope Grade 12014 Final Examination PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Life Sciences Pscope Grade 12014 Final Examination :**

[magellan maestro 4050 manual](#)

[magic bullet user manual](#)

*mackie satellite manual*

**machinery39s handbook 28th edition large print**

**macy gift card customer service**

[macroeconomics bernanke 6th edition](#)

[macgruders american goverent workbook chapter 6answers](#)

**macroeconomics final exams**

[mack quantum workshop manual](#)

[magellan-explorist 310-user manual](#)

[machakos university sept intake](#)

[madhyamik l sc question paper 2015](#)

[magic-screed-gx35-parts list user guide](#)

[mack engine 460 service manual](#)

[macmillan workbook answers](#)

### **Life Sciences Pscope Grade 12014 Final Examination :**

**broken monsters reading group guide whitewavedarling** - Mar 13 2023

web broken monsters reading group guide beukes lauren amazon in books books crime thriller mystery thrillers and suspense hardcover 4 957 59 paperback

[amazon com customer reviews broken monsters reading](#) - Nov 28 2021

**broken monsters reading group guide lauren beukes** - Dec 30 2021

web find helpful customer reviews and review ratings for broken monsters reading group guide at amazon com read honest and unbiased product reviews from our users

**broken monsters reading group guide abebooks** - Jan 11 2023

web broken monsters reading group guide by lauren beukes 16 jun 2015 paperback books amazon ca

[broken monsters book review and summary amanja reads](#) - Mar 01 2022

web broken monsters reading group guide book review unveiling the magic of language in an electronic digital era where connections and knowledge reign supreme the

[broken monsters reading group guide by lauren beukes](#) - Nov 09 2022

web broken monsters is making me reconsider genre novels this was equal parts urban politics tabloid drama and supernatural thriller woven together very satisfying read

[broken monsters reading group guide readerocean com](#) - Oct 08 2022

web broken monsters reading group guide by lauren beukes 2015 06 16 lauren beukes on amazon com au free shipping on



eligible orders broken monsters reading

[broken monsters reading group guide amazon in](#) - Feb 12 2023

web abebooks com broken monsters reading group guide 9780316216814 by beukes lauren and a great selection of similar new used and collectible books available now

**broken monsters reading group guide paperback 16 jun 2015** - Apr 14 2023

web oct 26 2022 if lauren beukes s internationally bestselling the shining girls was a time jumping thrill ride through the past her broken monsters is a genre redefining thriller

[broken monsters reading group guide amazon com](#) - Sep 19 2023

web in broken monsters detective gabi versado is about to dive headfirst into the rabbit hole of a killer who is possessed by a superconsciousness known as the dream which is

**broken monsters reading group guide amazon com tr** - Jul 17 2023

web we re all broken monsters we all have little broken pieces inside we ve all experienced bad things in our lives on a scale of course but it s how we live with them that

*broken monsters reading group guide harvard book store* - Jul 05 2022

web nov 11 2021 this breakage monsters watch has been bundled from two separate reviews i composed in 2019 the first separate is the spoilers freely review followed by the

**stephen lloyd jones hachette book group** - Jun 16 2023

web find helpful customer reviews and review ratings for broken monsters reading group guide at amazon com read honest and unbiased product reviews from our users

**broken monsters reading group guide ada s book club** - Aug 06 2022

web add a gift card to your order choose your denomination

[broken monsters reading group guide by lauren beukes 16](#) - Dec 10 2022

web broken monsters reading group guide by lauren beukes mulholland books paperback good spine creases wear to binding and pages from reading may

[amazon com customer reviews broken monsters reading](#) - May 15 2023

web buy broken monsters reading group guide reprint by beukes lauren isbn 9780316216814 from amazon s book store everyday low prices and free delivery on

**broken monsters book review and summary amanja reads** - Jun 04 2022

web nov 11 2021 buy broken monsters reading group guide reprint by beukes lauren isbn 9780316216814 from amazon s book store everyday low prices and free

*broken monsters hachette book group* - May 03 2022

web nov 11 2021 this broken monsters review has been compiled from two separate reviews i wrote in 2019 the first part shall one spoiler free review followed by one spoiler full

broken monsters book review and summary amanja reads - Apr 02 2022

web nov 11 2021 broken monsters reading group guide an child layla behaves like a normal teenager just a real normal youths and not to normal teenager you see on tv

*broken monsters reading group guide by lauren beukes* - Aug 18 2023

web broken monsters reading group guide beukes lauren amazon com tr kitap Çerez tercihlerinizi seçin Çerez bildirimimizde ayrıntılı şekilde açıklandığı üzere alışveriş

*broken monsters reading group guide by lauren beukes 2015* - Sep 07 2022

web apr 21 2023 if lauren beukes s internationally bestselling the shining girls was a time jumping thrill ride through the past her broken monsters is a genre redefining thriller

broken monsters reading group guide book - Jan 31 2022

web broken monsters reading group guide lauren beukes news rate this book error rating book refresh and try again the sin of saints benevolence blood by lauren

**managerial accounting asia global edition** - Nov 27 2022

web managerial accounting asia global edition 2 e ray h garrison brigham young university eric w noreen university of washington peter c brewer wake forest university nam sang cheng singapore management university 2015 mcgraw hill education asia

managerial accounting an asian perspective chap 8 2022 - Feb 16 2022

web 2 managerial accounting an asian perspective chap 8 2022 05 31 accounting issues that arise in the regions of africa asia europe mena north america the pacific and south america the handbook also highlights future

**management accounting practices in selected asian countries a** - Oct 07 2023

web may 1 2004 through a literature review this study examines the extent to which traditional and contemporary management accounting tools are being used in four asian countries singapore malaysia china and india overall the evidence reviewed suggests that the use of contemporary management accounting tools is lacking in the four countries

*managerial accounting 7th edition asia edition wiley* - Dec 29 2022

web 1 managerial accounting in the information age 1 1 goal of managerial accounting 1 2 cost terms used in discussing planning control and decision making 1 7 two key ideas in managerial accounting 1 10 the information age and managerial accounting 1 13 ethical considerations in managerial decision making 1 17

management accounting practices in selected asian - Feb 28 2023

web may 1 2004 the empirical findings demonstrate the usefulness of managerial accounting tools environmental uncertainty the structure of corporate governance organizational interdependence and

*managerial accounting asia global edition is the 2nd edition* - Apr 20 2022

web managerial accounting asia global edition is the 2nd edition of managerial accounting an asian perspective which was an adaptation of the popular textbook managerial accounting by garrison noreen and brewer

*managerial accounting asia pacific edition google books* - Jan 30 2023

web cengage au oct 1 2018 managerial accounting 897 pages managerial accounting is characterised by a strong pedagogical framework and a dynamic and practical approach that directly

*managerial accounting an asian perspective goodreads* - Jul 04 2023

web managerial accounting an asian perspective is the definitive managerial accounting textbook designed to make studying productive and hassle free by focusing on the three important qualities relevance accuracy and clarity its helpful pedagogical features act as a beacon of light to help students sail smoothly through the course

**managerial accounting an asian perspective chap 8 pdf** - Jun 22 2022

web managerial accounting an asian perspective chap 8 3 3 accounting springer this book is an essential guide to understanding how managers in china and southeast asia make effective economic decisions in today s competitive global economy it s vital to grasp how the most dynamic part of asia is employing accounting tools in actual

**managerial accounting an asian perspective** - Mar 20 2022

web managerial accounting is characterised by a strong pedagogical framework and a dynamic and practical approach that directly demonstrates how students can develop their careers in real life the text introduces students to the underlying

**managerial accounting cengage asia** - Jul 24 2022

web read more request evaluation copy 2 basic managerial accounting concepts 3 cost behaviour 4 job order costing 6 activity based costing 7 master budget and behavioural issues 8 standard costing a managerial control tool 9 flexible budgets and overhead analysis 10 cost volume profit analysis a managerial planning tool

asian review of accounting emerald publishing - Aug 05 2023

web covering various fields of accounting asian review of accounting ara publishes research papers that address significant international issues on accounting auditing taxation information system and education as well as those on asia pacific in particular

*the development of management accounting and the asian* - Oct 27 2022

web historical and comparative study of management accounting is of particular significance for asian accounting academics

specializing in this field the paper begins with general view of key concepts that enable a mapping of the development of management accounting control feedback and feed forward and management standpoint tactics and

*managerial accounting asian perspective 13th solution copy* - May 22 2022

web the routledge handbook of accounting in asia managerial accounting case studies theoretical models and useful strategies institutional cultural significance of accounting third international conference icte 2018 hong kong china january 9 11 2018 revised selected papers the political economy of financial development in

managerial accounting an asian perspective - Sep 06 2023

web managerial accounting asia pacific edition east asia oceania the philippines and sg research methods in accounting value based management of the rising sun japan accounting for sustainability asia pacific perspectives a

**managerial accounting** - Aug 25 2022

web isbn 13 9781337115773 managerial accounting plays an essential role in helping today s managers make effective business decisions for their companies now managerial accounting 7e shows you how with a focus on here s how it s used this book makes managerial accounting meaningful fun and relevant to your life and business

*open library managerial accounting asia global edition 2 e* - Jun 03 2023

web managerial accounting an asian perspective 2nd global edition is a textbook that has been uniquely written and structured in a manner that meets the demands of the accounting profession for students it is much easier now to grasp the concepts easily and hence making studies productive

management accounting practices in selected asian countries - Sep 25 2022

web through a literature review this study attempts to investigate the management accounting practices in four asian countries singapore malaysia china and india the primary objective of this study is to identify and highlight the management accounting practices in these four countries

managerial accounting an asian perspective mcgraw hill - Apr 01 2023

web managerial accounting an asian perspective is the definitive managerial accounting textbook designed to make studying productive and hassle free by focusing on the three important qualities relevance accuracy and clarity its helpful pedagogical features act as a beacon of light to help students sail smoothly through the course key features

**managerial accounting an asian perspective by ray garrison** - May 02 2023

web managerial accounting an asian perspective ray garrison brigham young university eric w noeren university of washington peter c brewer miami university nam sang cheng singapore management university follow chi kwan katherine yuen singapore management university follow

**solved experiment 11 double displacement** - Jul 31 2023

web feb 10 2021 write molecular complete ionic and net ionic equations in this experiment students will combine two aqueous solutions and determine whether a reaction occurs

experiment 606 double displacement reactions 1 2 3 - Apr 27 2023

web double displacement reaction experiment 11 chem 101 the physical and chemical characteristics of the soils from the erosion experiment stations jan 22 2021

double displacement reaction experiment 11 chem 101 full - Jun 17 2022

web double displacement reaction experiment 11 chem 101 right here we have countless books double displacement reaction experiment 11 chem 101 and collections to

**6 single and double displacement reactions experiment** - Jun 29 2023

web chemistry m11 laboratory manual page 21 data for experiment 4 record your observations for each combination below if a reaction occurs write balanced

*solved report for experiment 11 instructor double* - Feb 23 2023

web using three criteria for double displacement reactions together with the solubility table in appendix 5 predict whether a double displacement reaction will occur in each

**solved name report for experiment 11 section date** - Nov 10 2021

**double displacement reaction experiment 11 chem 101 db csda** - Aug 20 2022

web chem 60 experiment 11 single displacement reactions introduction in this experiment you will investigate several types of single displacement reactions and

*double displacement reaction experiment 11 chem 101* - Apr 15 2022

web jul 28 2023 double displacement reaction experiment 11 chem 101 2 6 downloaded from uniport edu ng on july 28 2023 by guest patients the best possible relief in

*double displacement reaction experiment 11 chem 101* - Feb 11 2022

web expert answer transcribed image text name report for experiment 11 section date instructor double displacement reactions directions for completing table

double displacement reaction experiment 11 chem 101 - Jan 25 2023

web oct 17 2022 double replacement reactions all double replacement reactions have the general form  $ab + cd \rightarrow ad + cb$  10 1 10 1 a b c d a d c b reactions

*experiment 4 double displacement reactions moorpark college* - Mar 27 2023

web step 1 write iupac names of products step 2 write formulas of reactants and products for metathesis reactions step 3

balance equations step 4 use solubility rules to predict

**experiment 11 double replacement reactions studylib net** - Jul 19 2022

web double displacement reaction experiment 11 chem 101 downloaded from stage gapinc com by guest hunter obrien the golden book of chemistry

**double displacement reaction experiment 11 chem 101 copy** - Dec 12 2021

double replacement reactions double displacement - Sep 01 2023

web sep 22 2021 pre laboratory assignment single and double displacement reactions in this lab you will perform a variety of single and double displacement reactions what

*double displacement reaction experiment 11 chem 101 full pdf* - Mar 15 2022

web getting this info acquire the double displacement reaction experiment 11 chem 101 member that we present here and check out the link you could purchase guide double

**10 double replacement reactions experiment chemistry** - Oct 22 2022

web countertop chemistry from the science house experiment 11 double replacement reactions this experiment demonstrates reactions that occur between two aqueous

*double displacement reaction experiment 11 chem 101 copy* - Jan 13 2022

experiment 11 double displacement reactions course hero - Nov 22 2022

web foundations of college chemistry double displacement reaction experiment 11 chem 101 downloaded from db csda org by guest conor ryker academic practical

**experiment 11 experiment 11 single displacement** - May 17 2022

web double displacement reaction experiment 11 chem 101 brew chem 101 nov 28 2022 understand the science that goes into making your favorite beverage this crash course

double displacement reaction video khan academy - Sep 20 2022

web 2 double displacement reaction experiment 11 chem 101 2022 09 15 semester of a gob sequence science education students for elementary school teachers to the

**experiment 6 double displacement reactions studocu** - Dec 24 2022

web about transcript in double displacement reaction the ions of the reactants exchange position this could be used to make volcanos for science experiments created by

11 9 double replacement reactions chemistry - May 29 2023

web expert answer 100 2 ratings transcribed image text report for experiment 11 instructor double displacement reactions  
dircctions for completing table below

*chem 101 experiment 11 report worksheet 1 docx m* - Oct 02 2023

web a double displacement reaction is when two reactants exchange ions to form two new compounds 3 provide a generic  
chemical equation that describes a double