Student Exploration: Phase Changes

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary: altitude, boil, boiling point, freeze, freezing point, gas, liquid, melt, melting point, phase, solid

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

Marla wants a hard-boiled egg for breakfast. The recipe says boil water, then lower the heat so the water is simmering. But Marla is in a rush, so she keeps the heat on high as the egg cooks.

Do you think the egg will be done faster if the heat is kept on high as the water boils?

Nio

Explain your answer.

If the water is kept high the egg will cook inconsistently so the outer and inner layers will be at different stages.

Gizmo Warm-up

In the Phase Changes Gizmo, select **Micro view** and set the **Ice volume** to 50 cm². Notice the nitrogen (), govgen (), and water () molecules.

To start, create ice. Set Add/remove heat energy to -200 J/s, click Play (), and then click Pause () when the container is about half ice, half water. Set Add/remove heat energy back to 0 J/s, and then click Play.



- Observe water molecules in the solid (ice), liquid (water), and gas (air) phases.
 - A. In which phase(s) do molecules move freely?
 - B. In which phase(s) are molecules held together?
 - C. What do you notice about the positions of the ice molecules?

Gas

Solid

They are all about equal distance apart and more uniform than the air or water molecules.

- Click Reset (2), and select Macro view. Set the ice volume to 25 cm³.
 - A. In which phase(s) is water held in a defined shape?
 - B. In which phase(s) does the water take the shape of the container?

Solid

Liquid

Gizmo Student Exploration Phase Changes Answer Key

CH Cherryholmes

Gizmo Student Exploration Phase Changes Answer Key:

Reviewing Gizmo Student Exploration Phase Changes Answer Key: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "Gizmo Student Exploration Phase Changes Answer Key," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

https://staging.conocer.cide.edu/files/uploaded-files/HomePages/hp_agilent_11848a_manual.pdf

Table of Contents Gizmo Student Exploration Phase Changes Answer Key

- 1. Understanding the eBook Gizmo Student Exploration Phase Changes Answer Key
 - The Rise of Digital Reading Gizmo Student Exploration Phase Changes Answer Key
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Gizmo Student Exploration Phase Changes Answer Key
 - 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 Gizmo Student Exploration Phase Changes Answer Key
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Gizmo Student Exploration Phase Changes Answer Key
 - Personalized Recommendations
 - Gizmo Student Exploration Phase Changes Answer Key User Reviews and Ratings
 - Gizmo Student Exploration Phase Changes Answer Key and Bestseller Lists

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

Gizmo Student Exploration Phase Changes Answer Key Introduction

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

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

FAQs About Gizmo Student Exploration Phase Changes Answer Key Books

- 1. Where can I buy Gizmo Student Exploration Phase Changes Answer Key books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Gizmo Student Exploration Phase Changes Answer Key book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Gizmo Student Exploration Phase Changes Answer Key books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.

- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Gizmo Student Exploration Phase Changes Answer Key audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Gizmo Student Exploration Phase Changes Answer Key books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Gizmo Student Exploration Phase Changes Answer Key:

hp agilent 11848a manual

hp c3180 printer troubleshooting

hp dv5295 laptops owners manual

hp 450c printers accessory owners manual

hp cp2020 manual

hp dv6843 laptops owners manual

hp dv6672 laptops owners manual

hp 3589a quick manual start user guide

hp 80xl202 laptops owners manual

hp dv4203 laptops owners manual

hp data messenger cell phones owners manual

hp 6537 desktops owners manual

hp 6510 user manual hp 7150 printer manual hp copier repair service

Gizmo Student Exploration Phase Changes Answer Key:

rural marketing pradeep kashyap google books - Jun 01 2023

web rural marketing pradeep kashyap pearson education incorporated 2010 328 pages rural marketing covers fundamental aspects of marketing applicable to rural markets the syllabus of the

rural marketing pradeep kashyap pearson education india - Dec 27 2022

web chapter 2 rural consumer behaviour chapter 3 rural marketing research chapter 4 segmenting and targeting rural markets chapter 5 product strategy chapter 6 distribution in rural markets chapter 7 communication strategies for rural markets chapter 8 rural services marketing chapter 9 marketing in small towns chapter 10

rural marketing pdf 67a2uhsclmg0 e book library - Aug 03 2023

web chapter 4 rural marketing research the rural marketing research process defining the objectives determining the research budget designing the research sampling designing the research instrument organizing the field and collecting the data collating and analysing the data

rural marketing 3 e by pradeep kashyap pearson ed - Sep 23 2022

web pradeep kashyap known as the father of rural marketing in india founded mart in 1993 a transparent team based non hierarchical flat organization based on ethical and spiritual principles mart has emerged as india s leading rural consultancy rural marketing pradeep kashyap amazon in books - Apr 30 2023

web the theme of the current edition is how technology and digital inclusion is changing the rural consumer behaviour and presenting a new opportunity for marketers the valuable feedback received from academia and industry has also helped in shaping this edition

download rural marketing by pradeep kashyap zlib pub - Sep 04 2023

web rural marketing insight the sachet revolution rural marketing insight after sales service initiatives by companies in rural markets product warranty and after sales service new product development in rural markets

the rural marketing book by pradeep kashyap pdf scribd - Aug 23 2022

web of 3 downloadthe rural marketing book by pradeep kashyap pdf once this is done press the button showing the picture and wait exe 1432 0x10000000 enter a connection name and a value for the pre shared key plextor dvdr px 716a driver

download the rural marketing book by pradeep kashyap pdf download the rural marketing book rural marketing by kashyap goodreads - Apr 18 2022

web jan 1 2011 kashyap 4 00 7 ratings1 review rural marketing pearson kashyap 2011 edn 2 328 pages paperback published january 1 2011 book details editions

rural marketing book by pradeep kashyap pdf - Feb 26 2023

web dec 25 2018 highlight take notes and search in the book length 328 pages word wise enabled the first edition of the book emerged as the leading text and reference book for students and rural marketing second edition pradeep kashyap zoomin downloadthe rural marketing book by pradeep kashyap pdf

rural marketing by pradeep kashyap online calibr - Jan 28 2023

web about this book the first edition of rural marketing was published in 2005 a time when the rural demand was just beginning to register high rates of growth but very little information or data was available

pradeep kashyap linkedin - Nov 25 2022

web about pradeep kashyap is known as the father of rural india prof c k prahalad in his book fortune at the bottom of the pyramid articles by pradeep kashyap bits69 talk how

rural marketing ppt ppt slideshare - May 20 2022

web jul 31 2016 rural marketing ppt 2 marketing identifying the needs of customers and potential customers providing products services that satisfy their needs and developing efficient processes or systems to deliver your product service to the market when where and how consumers want it rural marketing rural marketing is now a two way

rural marketing pradeep kashyap google books - Oct 25 2022

web rural marketing author pradeep kashyap publisher pearson education 2012 isbn 8131760359 9788131760352 length 301 pages

rural marketing by pradeep kashvap pdf marketing scribd - Oct 05 2023

web rural marketing by pradeep kashyap free ebook download as pdf file pdf text file txt or read book online for free rural marketing third edition pradeep kashyap

rural marketing 3 e pradeep kashyap google books - Jul 22 2022

web pradeep kashyap pearson india 2016 344 pages the first edition of rural marketing was published in 2005 a time when the rural demand was just beginning to register high rates of

pradeep kashyap linkedin - Feb 14 2022

web pradeep kashyap marketing manager linkedin expert instagram expert social media facebook ads expert media buyer brand marketing manager paid marketing manager website content rural marketing ebook kashyap pradeep amazon in kindle - Mar 30 2023

web pradeep kashyap known as the father of rural marketing in india founded mart in 1993 a transparent team based non hierarchical flat organization based on ethical and spiritual principles mart has emerged as india s leading rural consultancy organization this text refers to the paperback edition

pradeep kashyap mart global management solutions llp - Jul 02 2023

web pradeep kashyap founder mart is known as the father of rural marketing in india he is recognized as a thought leader and is a regular speaker at ceo forums in india and abroad he has been marketing advisor to ministry of rural development and has served on prime minister office and chief minister committees on rural development

the rural marketing book text practice with cd pradeep kashyap - Jun 20 2022

web jul 4 2005 the rural marketing book by pradeep kashyap siddhartha raut is india s most comprehensive book on rural marketing theory and the rural mindset with practical examples of products

the rural boom in india pradeep kashyap 2012 sage journals - Mar 18 2022

web dec 4 2012 rural markets unaffected by the economic slowdown have created a complete turnaround in the mindsets of the marketers the present article tends to explore the changes in the rural infrastructure

walking the razor s edge the dutchman and the baron - Jan 15 2023

web amazon ae walking the razor s edge the dutchman and the baron books

walking the razor s edge the dutchman and the baron - May 19 2023

web mar 21 2019 walking the razor's edge the dutchman and the baron is a book which unveils many delicious details of lee harvey ozwald and the kennedy assassination

walking the razor s edge the dutchman and the baron with - Dec 14 2022

web after exhaustive research and an in depth study by the authors the thrilling details of oltmans journey in pursuit of the facts as documented in his personal diaries and notes

walking the razor s edge the dutchman and the bar copy - Dec 02 2021

walking the razor s edge the dutchman and the baron - Jun 08 2022

web walking the razor s edge walking the razor s edge politics and the rhetoric of poetry integral justice the story of nano nagle getting a business loan the razor s edge

walking the razor s edge the dutchman and the baron is - May 07 2022

web in the razor's edge karl jirgens presents a collection of interlinked fictions that inhabit halfway worlds between past and present dream and actuality science and divination

walking the razor s edge the dutchman and the baron - Oct 12 2022

web mar 5 2019 walking the razor's edge the dutchman and the baron isbn 9781732739413 1732739412 by wilkens tommy hilde buy sell or rent this book for

walking the razor s edge the dutchman and the baron - Mar 17 2023

web walking the razor s edge the dutchman and the baron with authors tommy and hilde wilkens walking the razor s edge the dutchman and the baronwho was george

walking the razor s edge the dutchman and the baron - Nov~13~2022

web may $7\ 2019$ walking the razor s edge the dutchman and the baron by tommy hilde wilkens is the true story of dutch journalist willem oltmans investigation into the

walking the razor s edge the dutchman and the bar pdf - Feb 04 2022

web this book tells the amazing true story of dutch journalist willem oltmans his 10 year investigation into the assassination of president john f kennedy and his efforts to find

walking the razor s edge the dutchman and the baron - Jun 20 2023

web after exhaustive research and an in depth study by the authors the thrilling details of oltmans journey in pursuit of the facts as documented in his personal diaries and notes

walking the razor s edge the dutchman and the baron - Aug 10 2022

web walking the razor s edge the dutchman the baron is a riveting new book written by tommy and hilde wilkens of roanoke virginia that will step by step unfold the story of

walking the razor s edge the dutchman and the - Jul 21 2023

web mar 20 2019 read walking the razor's edge the dutchman and the baron by tommy wilkens hilde wilkens with a free trial read millions of ebooks and audiobooks

walking the razor s edge the dutchman and the baron with - Sep 11 2022

web hello sign in account lists returns orders cart

walking the razor s edge the dutchman and the baron - $Jul\ 09\ 2022$

web walking the razor's edge the dutchman and the bar symbolism and the exposure of race relations in amiri baraka's dutchman jan 06 2023 essay from the year 2017 in

walking the razor's edge the dutchman and the baron - Nov $01\ 2021$

walking the razor s edge the dutchman and the bar pdf - Mar 05 2022

web jun 15 2023 dutchman's creek flows out of the ashokan reservoir steep banked fast moving it offers the promise of fine

fishing and of something more a possibility too

walking the razor s edge the dutchman and the bar pdf - Jan 03 2022

walking the razor s edge the dutchman and the baron scribd - Apr 18 2023

web buy walking the razor s edge the dutchman and the baron by wilkens tommy wilkens hilde online on amazon ae at best prices fast and free shipping free returns

amazon com customer reviews walking the razor s edge the - Feb 16 2023

web walking the razor s edge the dutchman and the baron walking the razor s edge the dutchman and the baron walking the razor s edge the dutchman and the

pdf walking the razor s edge the dutchman and the bar - Apr 06 2022

web may 28 2023 walking the razor's edge the dutchman and the bar 3 5 downloaded from uniport edu ng on may 28 2023 by guest the strange story book mrs andrew lang

walking the razor s edge the dutchman and the baron - Aug 22 2023

web mar 8 2019 this book tells the amazing true story of dutch journalist willem oltmans his ten year investigation into the assassination of president john f kennedy and his efforts

quantitative analysis for management 11th edition textbook - Oct 08 2023

web step 1 of 2 in solving a problem managers must consider both qualitative and quantitative factors he or she should do both qualitative and quantitative analysis quantitative

chapter 4 solutions quantitative analysis for management 11th - Mar 01 2023

web sbnm 5411 lecture 1 introduction to quantitative analysis quantitative analysis for management 11th edition project management chapter 11 quantitative analysis

qualitative analysis for management 11th edition solutions - Oct 28 2022

web qualitative data analysis the sage handbook of qualitative business and management research methods quantitative techniques for management quantitative analysis for

quantitative analysis for management 11th edition solutions - Aug 26 2022

web quantitative analysis for management 11th edition solutions 1 quantitative analysis for management 11th edition solutions quantitative methods for business book

quantitative analysis for management solutions - Jun 04 2023

web management 11th edition project management chapter 11 quantitative analysis for management qualitative and quantitative innovative quantitative analysis probability

quantitative analysis for management 11th edition solutions - Nov 16 2021

quantitative analysis for management 11th edition solutions - Feb 17 2022

web 12 principles of project management and the pmbok guide seventh edition is structured around eight project performance domains this edition is designed to

quantitative analysis for management 11t pdf course hero - Sep 26 2022

web money for under as well as review quantitative analysis for management 11th edition solutions download what you as soon as to read qualitative data analysis ian dey

quantitative analysis for management 11th edition solution pdf - Apr 21 2022

web instructor's solutions manual quantitative analysis for management ninth edition barry render ralph m stair jr michael e hanna quantitative analysis for management

pdf quantitative analysis for management 11th edition - Aug 06 2023

web this quantitative analysis management 11th edition solution manual will contain an over all description in the item the name and functions of their various parts quantitative

quantitative analysis for management 11th edition chapter 3 - Jan 19 2022

quantitative analysis for management 11th edition solutions - Apr 02 2023

web mathews gaige quantitative analysis for management 11th edition pearson sbnm 5411 lecture 1 introduction to quantitative analysis quantitative analysis for

quantitative analysis for management 11th edition solution - Mar 21 2022

web quantitative analysis for management 11th edition solutions introduction to management science with spreadsheets an introduction to management science

 $quantitative \ analysis \ for \ management \ 11th \ edition \ solutions \ - \ Jul \ 25 \ 2022$

web using stata for quantitative analysis qualitative research from start to finish first edition for business management and finance quantitative analysis for

quantitative analysis for management 11th edition solutions - Jun 23 2022

web the quantitative analysis for management 11th edition solution link that we provide here and check out the link you could purchase lead quantitative analysis for management

quantitative analysis management 11th edition - Nov 28 2022

web reviewing quantitative analysis for management 11th edition solutions free unlocking the spellbinding force of linguistics

in a fast paced world fueled by information and

quantitative analysis for management 11th edition solutions - May 23 2022

web quantitative analysis for management 11th edition solutions free studyguide for entrepreneurial finance qualitative data analysis quantitative techniques for

quantitative analysis for management 11th edition solutions - Jan 31 2023

web mar 14 2023 research qualitative and quantitative data analysis software and in quantitative methods more on power analysis to determine sample size and more

quantitative analysis for management 11th edition - Jul 05 2023

web merely said the qualitative analysis for management 11th edition solutions is universally compatible with any devices to read the sage encyclopedia of qualitative

qualitative analysis for management 11th edition solutions pdf - Sep 07 2023

web apr 8 2023 qualitative analysis for management 11th edition solutions below data mining concepts and techniques jiawei han 2011 06 09 data mining concepts and

qualitative analysis for management 11th edition solutions - May 03 2023

web access quantitative analysis for management 11th edition chapter 4 solutions now our solutions are written by chegg experts so you can be assured of the highest quality

quantitative analysis for management 11th edition solutions - Dec 18 2021

quantitative analysis for management 11th edition solutions - Dec 30 2022

web this quantitative analysis management 11th edition solution manual will contain an over all description in the item the name and functions of their various parts quantitative