



Rock Physics Templates

Hampson-Russell
July 18, 2014

Brian Russell

HAMPSON-RUSSELL
A CGG Company

Passion for Geoscience

Introduction

- This document discusses the rock physics templates (RPT), and how we have implemented the RPT approach in the Hampson-Russell software release HRS-9.
- The method is based on theory proposed by Dvorkin and Nur (1996) and Ødegaard and Avseth (2003).
- We will show the equations and the concepts behind the theory using graphical methods.
- We will also use log and inverted seismic data from the Colony sand of central Alberta to illustrate these methods.

Rock Physics Papers

Gabor Korvin



Rock Physics Papers:

This is likewise one of the factors by obtaining the soft documents of this **Rock Physics Papers** by online. You might not require more times to spend to go to the book introduction as skillfully as search for them. In some cases, you likewise accomplish not discover the revelation Rock Physics Papers that you are looking for. It will enormously squander the time.

However below, considering you visit this web page, it will be correspondingly very easy to get as skillfully as download lead Rock Physics Papers

It will not undertake many time as we notify before. You can complete it while be in something else at home and even in your workplace. fittingly easy! So, are you question? Just exercise just what we pay for under as capably as evaluation **Rock Physics Papers** what you considering to read!

<https://crm.avenza.com/public/browse/fetch.php/Sample%20Head%20To%20Toe%20Documentation.pdf>

Table of Contents Rock Physics Papers

1. Understanding the eBook Rock Physics Papers
 - The Rise of Digital Reading Rock Physics Papers
 - Advantages of eBooks Over Traditional Books
2. Identifying Rock Physics Papers
 - 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 Rock Physics Papers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Rock Physics Papers
 - Personalized Recommendations

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

-
- 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

Rock Physics Papers Introduction

In today's digital age, the availability of Rock Physics Papers 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 Rock Physics Papers books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Rock Physics Papers 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 Rock Physics Papers 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, Rock Physics Papers 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 you're 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 Rock Physics Papers 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 Rock Physics Papers 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, Rock Physics Papers 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 Rock Physics Papers books and manuals for download and embark on your journey of knowledge?

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

Find Rock Physics Papers :

sample head to toe documentation

sample outline for argumentative research paper

sample newly qualified nurse cv

sample phlebotomy study guide test questions

sample learning skills comments ontario report card

sample letters of recommendation for a coworker

sample sat essays topics

sample paper of english for class 8 cbse

sample letter of enclosed documents

sample film analysis essay

sample job justification document

sample research paper topics

sample manual timesheet hourly

sample inbound call center scripts

sample one paragraph essay

Rock Physics Papers :

the giant book of hacks for minecrafters a giant unoff - Jul 14 2023

web feb 5 2018 a gigantic guide to command blocks redstone mods and more the giant book of hacks for minec the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you by megan miller

the giant book of hacks for minecrafters amazon com tr - Feb 26 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you megan miller amazon com tr kitap

the giant book of hacks for minecrafters a giant unofficial - Aug 15 2023

web feb 5 2018 the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you paperback illustrated february 5 2018 by megan miller author 4 5 162 ratings

amazon com the giant book of hacks for minecrafters a giant - May 12 2023

web feb 5 2018 a gigantic guide to command blocks redstone mods and more the giant book of hacks for minecrafters

teachers minecrafters everything they need to know about manipulating and programming command blocks within minecraft manipulating redstone to make amazing contraptions and machines how to add modifications to their minecraft

the giant book of hacks for minecrafters a giant unofficial - Aug 03 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you english edition ebook miller megan amazon de kindle shop

the giant book of hacks for minecrafters a giant unofficial - Jan 08 2023

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you miller megan amazon com au books

the giant book of hacks for minecrafters a giant unofficial - Sep 04 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you miller megan isbn 9781510727205 kostenloser versand für alle bücher mit versand und verkauf duch amazon

the giant book of hacks for minecrafters a giant unofficial - Mar 10 2023

web read this book using google play books app on your pc android ios devices download for offline reading highlight bookmark or take notes while you read the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you

the giant book of hacks for minecrafters - Jan 28 2022

web here new york times bestselling author megan miller teaches minecrafters everything they want to know about manipulating and programming command blocks within minecraft manipulating redstone to make amazing contraptions and machines how to add modifications to their minecraft game and more

the giant book of hacks for minecrafters google books - Mar 30 2022

web feb 5 2018 a gigantic guide to command blocks redstone mods and more the giant book of hacks for minecrafters teachers minecrafters everything they need to know about manipulating and programming

the giant book of hacks for minecrafters a giant unofficial - Nov 06 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you ebook miller megan amazon com au books

the giant book of hacks for minecrafters a giant unofficial - Dec 07 2022

web buy the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you by megan miller online at alibris we have new and used copies available in 1 editions starting at 4 23

the giant book of hacks for minecrafters a giant unofficial guide - Jun 13 2023

web feb 5 2018 here new york times bestselling author megan miller teaches minecrafters everything they want to know

about manipulating and programming command blocks within minecraft manipulating redstone to make amazing contraptions and machines how to add modifications to their minecraft game and more other tips will help gamers

the giant book of hacks for minecrafters by megan miller - Jun 01 2022

web feb 5 2018 the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you hacks for minecrafters paperback megan miller author sign in to write a review 18 99 paperback 376 pages published 05 02 2018 this product is currently unavailable

the giant book of hacks for minecrafters a giant unofficial - Oct 05 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you miller megan amazon sg books

the giant book of hacks for minecrafters a giant unofficial - Dec 27 2021

web buy the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you paperback book by megan miller from as low as 24 99 buy 3 get 1 free our best sale yet

the giant book of hacks for minecrafters a giant unofficial - Feb 09 2023

web abebooks com the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you 9781510727205 by miller megan and a great selection of similar new used

the giant book of hacks for minecrafters a giant unofficial - Apr 11 2023

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you megan miller amazon co uk books

the giant book of hacks for minecrafters open library - Jul 02 2022

web the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you by megan miller 0 ratings 0 want to read 0 currently reading 0 have read

the giant book of hacks for minecrafters a giant unofficial - Apr 30 2022

web you are in page mode the giant book of hacks for minecrafters a giant unofficial guide featuring tips and tricks other guides won t teach you megan miller

lucid cuts full year production forecast reuters - Dec 17 2021

web 20 hours ago dialysis firm davita raises its full year 2023 adjusted profit per share outlook after beating quarterly revenue estimates on the back of strong demand sending shares up nearly 6 in extended

investment analysis and portfolio management by prasanna - Jul 24 2022

web may 8 2021 page of 1 investment analysis and portfolio management by chandra prasanna may 8 2021 author anonymous category n a report this link download pdf share embed description download investment analysis and portfolio

investment analysis and portfolio management 4th edition - Jul 12 2021

investment analysis and portfolio management prasanna - Jul 04 2023

web books by prasanna chandra author of investment analysis and portfolio management books by prasanna chandra
prasanna chandra average rating 3 84 976 ratings 35 reviews shelved 7 745 times showing 20 distinct works sort by note
these are all the

investment analysis and portfolio management 4th edition with - Feb 16 2022

web 23 hours ago lucid group inc nov 7 reuters lucid group lcld o said on tuesday it now expects to produce 8 000 8 500
vehicles this year from its earlier projection of more than 10 000 units the

investment analysis and portfolio management 3rd edition - Aug 13 2021

investment analysis and portfolio management prasanna - Jan 30 2023

web investment analysis and portfolio management 5th edition is written by prasanna chandra and published by mcgraw hill
education india the digital and etextbook isbn's for investment analysis and portfolio management are 9789385965623
938596562x

investment analysis and portfolio management by chandra - Jun 22 2022

web order summary purchase investment analysis and portfolio management by chandra prasanna online buy isbn
9780070249073 at 24 discount by tata mcgraw hill education private limited quick delivery justified pricing only at lsnet in
security analysis and portfolio management 6e amazon in - Feb 28 2023

web investment analysis and portfolio management author prasanna chandra publisher tata mcgraw hill 2010 isbn
0071323511 9780071323512 length 751 pages export citation bibtex endnote refman

abcam shareholders approve 5 7 billion danaher deal reuters - Nov 15 2021

web 1 day ago canada s biggest pension fund cpp investments said on tuesday it had sold a 2 1 billion portfolio of its private
equity investments in certain north american and european buyout funds to france

chandra prasanna investment analysis and portfolio - Mar 20 2022

web 2 investment analysis and portfolio management prasanna chandra 4th edition 2021 11 07 investment analysis and
portfolio management 11th edition extremely reader friendly in a succinct 18 chapters this text equips you with a solid
understanding

investment analysis and portfolio management 4th edition iimb - Sep 25 2022

web secure transaction written by high profile financial author prasanna chandra investment analysis and portfolio

management provides junior level equity researchers investment counselors students and portfolio managers with a lucid introduction to their trade

investment analysis and portfolio management - Aug 05 2023

web investment analysis and portfolio management cfm tmh professional series in finance author prasanna chandra edition 2 publisher tata mcgraw hill 2005 isbn

dialysis provider davita raises full year profit outlook shares rise - Oct 15 2021

web investment analysis and portfolio management 3rd edition is written by prasanna chandra and published by mcgraw hill education india the digital and etextbook isbns for investment analysis and portfolio management are 9780071323512 0071323511

amazon in prasanna chandra books - Oct 27 2022

web investment analysis and portfolio management 4th edition authors chandra prasanna keywords investment analysis portfolio management issue date 2012 publisher tata mcgraw hill education private limited uri

investment analysis and portfolio management mcgraw hill - Nov 27 2022

web may 15 2019 investment analysis and portfolio management 5th edition by prasanna chandra 10 march 2017 4 3 4 3 out of 5 stars 164 prasanna chandra item condition new used discount 10 off or more 25 off or more 35 off or more

investment analysis and portfolio management prasanna - Jan 18 2022

web 1 day ago canada s biggest pension fund cpp investments said on tuesday it had sold a 2 1 billion portfolio of its private equity investments in certain north american and european buyout funds to france

investment analysis and portfolio management amazon in - Sep 06 2023

web dr prasanna chandra director of centre for financial management is an mba phd finance he has over five decades of teaching experience in postgraduate and executive education programmes he was a professor of finance at indian institute of

investment analysis and portfolio management by chandra - Apr 20 2022

web title investment analysis and portfolio management 4th edition with cd rom author prasanna chandra isbn 1259005992 9781259005992 format soft cover cd rom pages 1000 publisher tmh year 2012 availability out of stock

investment analysis and portfolio management prasanna - Oct 07 2023

web mar 1 2017 investment analysis and portfolio management prasanna chandra mcgraw hill education mar 1 2017 880 pages this book seeks to capture the essence of modern developments and provides a

investment analysis and portfolio management hardcover - Aug 25 2022

web applied equity analysis and portfolio management online video course advances in investment analysis and portfolio management new series vol 10 investment analysis and portfolio management

prasanna chandra author of investment analysis and portfolio - May 02 2023

web aug 27 2021 prasanna chandra is a former professor of finance has an mba and a doctorate in finance he has served on numerous corporate boards he was a professor of finance at iim bangalore for close to two decades he is currently director of centre for

investment analysis and portfolio management - Apr 01 2023

web this comprehensive interface of traditional and modern approaches to securities analysis and portfolio management embraces a global approach and uses the unique feature of applying concepts to a continuous example mcdonalds corporation read more

investment analysis and portfolio management - May 22 2022

web chandra prasanna investment analysis and portfolio management 2012 tata mc graw hill education libgen free ebook download as pdf file pdf text file txt or read book online for free scribd is the world s largest social reading and publishing site

books by prasanna chandra author of investment analysis and - Jun 03 2023

web edit data prasanna chandra is a former professor of finance has an mba and a doctorate in finance he has served on numerous corporate boards he was a professor of finance at iim bangalore for close to two decades he is currently director of centre for

investment analysis and portfolio management 5th edition - Dec 29 2022

web investment analysis and portfolio management 6 e prasanna chandra director center for financial management blr to learn more about the book this website supports please visit its information center copyright 2023 mcgraw hill global education holdings

canada s omers buys 5 indirect stake in toronto raptors - Sep 13 2021

web investment analysis and portfolio management 4th edition is written by prasanna chandra and published by mcgraw hill education india the digital and etextbook isbn for investment analysis and portfolio management are 9789353164041 9353164044

chem131 garretts micro mole rocket lab pdf course hero - Dec 08 2022

web view garretts micro mole rocket lab pdf from chem 131 at johnson county community college micro mole rocket lab purpose create a reaction by mixing two elements together to make a rocket upload to study

micro rocket lab youtube - Apr 12 2023

web dec 19 2012 students compete to find the most efficient hydrogen oxygen mole ratio this video is part of the flinn scientific best practices for teaching chemistry video

stoichiometry percent yield micro mole rockets lab blogger - May 13 2023

web oct 22 2013 here are the answers 1 15 0 g pb no3 2 x 1 mole pb no3 2 x 1 mole pbi2 x 461 00g pbi2 20 9g pbi2 331 22g pb no3 2 1 mole pb no3 2 1 mole of pbi2 10 0g ki x 1 mole ki x 1 mole pbi2 x 461 00g pbi2 13 9g pbi2 166 00gki 2 mole ki 1 mole pbi2 since 13 9g pbi2 is the smaller amount ki must be the limiting reactant 2

lab micro mole rockets studylib net - Mar 11 2023

web what factors determine the explosiveness of the reaction of hydrogen with oxygen in this lab we will generate microscale quantities of hydrogen and oxygen and test their explosive nature first separately then in mixtures of various proportions the goal to find the most powerful gas mixture and use it to launch a rocket across the room

chemfax micro rocket lab answers - Jun 02 2022

web other descriptions of the lab can be easily found if you do a web search for micro rocket lab or mole rocket lab there is a time investment to build the nozzles for the gas generators and the piezo ignition devices but after that initial investment lab set up is fast and simple in future years i have attached the handout i give

s c i e n t i f i c science lab equipment chemistry supplier - Aug 04 2022

web endobj xref 750 41 0000000016 00000 n 0000002110 00000 n 0000002269 00000 n 0000002806 00000 n 0000003284 00000 n 0000003844 00000 n 0000004414 00000 n 0000005040 00000 n 0000005660 00000 n 0000006223 00000 n 0000006883 00000 n 0000007517 00000 n 0000007631 00000 n 0000007743 00000 n 0000008339 00000 n

chm112 micro rocket lab answer sheet pdf course hero - Feb 10 2023

web complete the following sentence to describe the number of moles of each reactant involved in the combustion of hydrogen moles of hydrogen react with moles of oxygen to give moles of water

micro mole rockets rachel metzler advanced chemistry lab 2 - Jun 14 2023

web pre lab questions 1 write the balanced chemical equation for the single replacement reaction of zinc and hydrochloric acid to generate hydrogen gas $\text{Zn} + 2\text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$ 2 write the balanced chemical equation for the yeast catalyzed decomposition of hydrogen peroxide to generate oxygen gas and water

ms j kim s science classes micro mole rockets lab google - Jan 09 2023

web micro mole rockets lab

pdf answers to micro mole rockets lab pdf - Nov 07 2022

web answers to micro mole rockets lab pdf this is likewise one of the factors by obtaining the soft documents of this answers to micro mole rockets lab pdf by online you might not require more period to spend to go to the books commencement as well as search for them in some cases you likewise realize not discover the broadcast answers to micro

mini mole rocket lab a limiting and excess reactant virtual lab - Dec 28 2021

web in this lesson i work through the flinn mini mole rocket lab in this lab you will investigate limiting and excess reactants there is no need for a write up

micro mole rockets the nucleus - Jan 29 2022

web this lab is an excellent an introduction to limiting excess reagents where students turn the bulb of a plastic beral style pipette into a micro scale rocket different ratios of hydrogen oxygen are collected in the bulb and the most explosive mixture used to shoot the rocket across the room

a great introduction to stoichiometry chemical education - May 01 2022

web may 22 2019 dustin williams wed 05 22 2019 20 13 there is a lab that is called something like the mole rocket lab or micro rockets some of you may be familiar with the lab but i wanted to write this post to share it with teachers who may not be aware of it

page i micro mole rockets chemmybear com - Oct 06 2022

web stoichiometry limiting reactants background hydrogen the most abundant element in the universe is a colorless odorless gas it is combustible which means that it burns quite readily hydrogen gas is conveniently generated in the lab by the reaction of zinc metal with hydrochloric acid

micromole rockets lab youtube - Sep 05 2022

web see how the micromole rockets lab was conducted

micro mole rockets hydrogen and oxygen mole ratio student laboratory - Jul 03 2022

web item ap6374 price 36 50 in stock with the micro mole rockets chemistry laboratory kit students learn about stoichiometry and limiting reagents as they compete to beat records for the distance traveled by a micro mole rocket students use a mixture to launch the rocket

ap ch 4 micro mole rockets lab youtube - Jul 15 2023

web i am going over two of the pre lab questions and one of the post lab questions i also introduce the ice box which is a useful tool for stoichiometry espec

lab micro mole rockets youtube - Aug 16 2023

web apr 16 2021 lab micro mole rockets youtube video lab 0 00 procedure making fuel 0 50 procedure fuel ratios 1 26 procedure pop and distance tests 2 03 procedure clean up 2 37 video data pop

micro rockets chemistry culminating activity instructables - Mar 31 2022

web step 7 launch the rocket once the desired amount of gas is put into the rocket carefully put the rocket over top of the ignition apparatus make sure that there is still a small amount of water in the bottom to act as a propellant make sure the way is clear do a count down and spark the rocket

ap ch 4 micro mole rockets lab educreations - Feb 27 2022

web jul 8 2012 i am going over two of the pre lab questions and one of the post lab questions i also introduce the ice box which is a useful tool for stoichiometry especially when you need to figure out what is left over at the end of a reaction