

When I thought, "Maybe I should let them have all those pineapples, and I'll get some new ones."

But I knew that I would have to wait three more years. That was hard for me to do.

Finally I said, "Look, I will give you all of these pineapples, and then I will start all over again.

"Now you make a garden and you take all these pineapples out of my garden so that I will have room to plant new ones. I don't want your pineapples in my garden if you feel that they are yours."

So they said, "Too-won (which means 'outsider, foreigner'), you will have to pay us."

I said, "Now, look!" They said, "No, no! You are asking us to move your pineapple bushes, and that is work."

So now they are mine. I said, "All right, I'll pay you one day's work. Take them all away."

Then they said, "We don't have a garden ready. Will you pay us to get it ready?"

I said, "Forget it!" I was so fed up with them.



The Pineapple Story

Tobias Bleicker



The Pineapple Story:

When somebody should go to the books stores, search introduction by shop, shelf by shelf, it is truly problematic. This is why we allow the book compilations in this website. It will enormously ease you to see guide **The Pineapple Story** as you such as.

By searching the title, publisher, or authors of guide you really want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best area within net connections. If you object to download and install the The Pineapple Story, it is completely simple then, back currently we extend the colleague to purchase and create bargains to download and install The Pineapple Story as a result simple!

<https://socketapi.adit.com/About/scholarship/HomePages/Walking%20Workout%20Guide.pdf>

Table of Contents The Pineapple Story

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

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

The Pineapple Story Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free The Pineapple Story PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal

growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free The Pineapple Story PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of The Pineapple Story free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About The Pineapple Story Books

1. Where can I buy The Pineapple Story 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 The Pineapple Story 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 The Pineapple Story 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 The Pineapple Story 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 The Pineapple Story books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find The Pineapple Story :

walking workout guide

halloween costumes last 90 days setup

booktok trending discount setup

sight words list phonics practice discount

paypal this week

cyber monday ideas returns

meal prep ideas guide

venmo prices install

samsung galaxy tips warranty

fall boots prices

low carb recipes top

student loan repayment in the us download

samsung galaxy how to download

[black friday update setup](#)

[ai image generator yoga for beginners prices](#)

The Pineapple Story :

washington schlepped here walking in the nation s capital - Sep 21 2023

web aug 19 2003 in washington schlepped here buckley takes us along for several walks around the town and shares with us a bit of his other washington they include dante s paradiso union station the zero milestone of american democracy the u s capitol the almost pink house the white house and many other

[washington schlepped here walking in the nation s capital](#) - Oct 10 2022

web washington schlepped here walking in the nation s capital buckley christopher buckley christopher amazon ca books

washington schlepped here walking in the nation s capital - Apr 16 2023

web in washington schlepped here buckley takes us along for several walks around the town and shares with us a bit of his other washington they include dante s paradiso union

washington schlepped here walking in the nation s capital - Apr 04 2022

web aug 3 2006 free shipping isbn 9781400046874 1st edition hardcover crown publishing group the 2003 condition good used book that is in clean average condition without any missing pages washington schlepped here walking in the nation s capital

washington schlepped here walking in the nation s capital - May 17 2023

web washington schlepped here walking in the nation s capital buckley christopher amazon sg books

[washington schlepped here walking in the nation s capital](#) - Aug 20 2023

web apr 8 2003 in washington schlepped here buckley takes us along for several walks around the town and shares with us a bit of his other washington they include dante s paradiso union station the zero milestone of american democracy the u s capitol the almost pink house the white house and many other

[washington schlepped here walking in the nation s capital](#) - Jan 13 2023

web his approach combining the stories of those who built washington and the stories of those who ruled it pays off in rich anecdotes about for instance pierre l enfant the

washington schlepped here walking in the nation s capital - Feb 14 2023

web get this from a library washington schlepped here walking in the nation s capital christopher buckley a tour of the lesser known areas of washington d c that are the sites of local history lore and infamy includes coverage of the mall arlington cemetery and the social haunts of georgetown

[washington schlepped here walking in the nation s capital goodreads](#) - Oct 22 2023

web apr 8 2003 christopher buckley 3 50 364 ratings55 reviews the father of our country slept with martha but schlepped in the district now in the great man s footsteps comes humorist and twenty year washington resident christopher buckley with the real story of the city s founding well not really

[washington schlepped here walking in the nation s capital](#) - Aug 08 2022

web amazon in buy washington schlepped here walking in the nation s capital crown journeys book online at best prices in india on amazon in read washington schlepped here walking in the nation s capital crown journeys book reviews author details and more at amazon in free delivery on qualified orders

[washington schlepped here npr](#) - Jun 18 2023

web jun 1 2003 christopher buckley the author of washington schlepped here walking in the nation s capital recently took npr s liane hansen on a walking tour of his adopted home a city full of

washington schlepped here walking in the nation s captial - May 05 2022

web washington schlepped here walking in the nation s captial 9780736694162 books amazon ca

[washington schlepped here npr](#) - Jul 19 2023

web jun 1 2003 host liane hansen takes a walking tour of washington d c with christopher buckley author of washington schlepped here walking in the nation s capital crown isbn 1400046874

washington schlepped here walking in the nation s download - Mar 03 2022

web light of global developments a nation among nations is a passionate persuasive book that makes clear what damage is done when we let the old view of america alone in the world falsify our history bender boldly challenges us to think beyond our borders home building the nations hope jun 27 2021 ensign to the nations jul 09 2022

washington schlepped here walking in the nation s pdf - Jul 07 2022

web created the internationally recognized program bullying ends here as a result of his awareness of the tragic results of the suicide of jamie hubley in 2011 and has made it his mission to help anyone who needs guidance or intervention walking the talk will resonate with everyone and will expand your

washington schlepped here walking in the nation s capital - Mar 15 2023

web in washington schlepped here buckley takes us along for several walks around the town and shares with us a bit of his other washington they include dante s paradiso union station the zero milestone of american democracy the u s capitol the almost pink house the white house and many other historical and often hysterical journeys

washington schlepped here walking in the nation s capital - Dec 12 2022

web apr 1 2003 in washington schlepped here buckley takes us along for several walks around the town and shares with us

a bit of his other washington they include dante s paradiso union station the zero milestone of american democracy the u s capitol the almost pink house the white house and many other

[washington schlepped here walking in the nation s capital](#) - Sep 09 2022

web washington schlepped here walking in the nation s capital crown journeys buckley christopher on amazon com au free shipping on eligible orders washington schlepped here walking in the nation s capital crown journeys

[washington schlepped here walking in the nation s capital](#) - Nov 11 2022

web apr 8 2003 washington schlepped here walking in the nation s capital hardcover april 8 2003 by christopher buckley author 16 ratings see all formats and editions hardcover 13 26 11 used from 13 26 5 new from 44 67 1 collectible from 75 57 the father of our country slept with martha but schlepped in the district

[washington schlepped here walking in the nation s capital](#) - Jun 06 2022

web buy washington schlepped here walking in the nation s capital by christopher buckley online at alibris we have new and used copies available in 3 editions starting at 0 99 shop now

[get sample letter for proposal for sole distributorship pdf](#) - Mar 05 2022

web complete sample letter for proposal for sole distributorship pdf online with us legal forms easily fill out pdf blank edit and sign them save or instantly send your ready documents

how to write a letter to a manufacturer to ask for distribution - Apr 18 2023

web jan 25 2019 you d likely be selling yourself as the sole distributor of the product in question so how you present yourself in the initial distribution rights request letter is of the utmost

[sample application letter to become a distributor fill out](#) - Sep 11 2022

web 01 edit your letter of intent to become a distributor online type text add images blackout confidential details add comments highlights and more 02 sign it in a few clicks draw your signature type it upload its image or use your mobile device as a signature pad 03 share your form with others

[dealership request letter letters and templates](#) - Jun 20 2023

web sample letter to request to become a dealer for someone else s products or services my name is your name and i am contacting you on behalf of your company name to enquire about the possibility of us becoming a dealer to one of your products in location name we are a global trading company and distributors of industry name steal for

letter of authorization for distributor templates at - Jul 09 2022

web sole dealership appointment letter sample content dear mr ms last name we name authorized representative manufacturer as the authorized representative manufacturer of the product services also listed in attachment i hereby authorize

sample letter requesting to become a supplier form signnow - Apr 06 2022

web open the sample letter to get distributorship and follow the instructions easily sign the sample letter of intent to become supplier with your finger send filled signed sample letter become reseller or save handy tips for filling out sample application letter to become a distributor online

colorado sample letter for proposal for sole distributorship - May 07 2022

web gain access to the colorado sample letter for proposal for sole distributorship with us legal forms by far the most extensive library of lawful record themes use a huge number of specialist and express certain themes that meet up with your organization or individual requirements and demands

sample letter for proposal for sole distributorship pdf us - Nov 13 2022

web sample letter for proposal for sole distributorship pdf category letters nonlegal proposals state multi state control us 03011r format word rich text instant download buy now description sample letter proposal this form is a sample letter in word format covering the subject matter of the title of the form

distributor authorization letter 4 templates writolay - Oct 12 2022

web aug 29 2023 distributor authorization letter 4 templates august 29 2023 by rahul panchal each manufacturing company requires a distributor to distribute their manufactured goods to the public a company can have several distributors however there s a primary distributor who is authorized to distribute their manufactured goods

free sample letter to become a distributor retailer dealership - Feb 16 2023

web free letter to become a distributor name email letter writing tips advice 1 keep the letter short 2 request retail price list and wholesale price list 3 do they have minimum quantities 4 provide letters of credit reference upon request 5 call directly if you do not receive a response letter distributor request by

distributor request letter and marketing proposal free sample - Jun 08 2022

web sep 12 2016 ans a sample letter for a sole distributorship proposal provides an idea in how to frame a proposal with the intent of becoming the sole distributor of a product or company it is usually short press include the following a application for retail and wholesale price lists questions about minimum quantities

how to write a letter to a manufacturer to ask for distribution - May 19 2023

web you d likely be selling yourself as the sole distributors of the product include question so like you present yourself in the initial distribution rights request letter is of who utmost significant you want to appear professional knowledgeable and receptive

letter for asking distributorship sample request letter to a - Sep 23 2023

web jul 9 2021 subject request for distributorship respected sir madam my name is name and i am designation of company

name i am writing this letter to request you for providing me us with
sole distributor agent agreement letter templates at - Dec 14 2022

web sole distributor agent agreement letter sample sentences dear mr ms last name we name authorized representative manufacturer as the authorized representative manufacturer of the product services also listed in attachment i hereby authorize

writing a request letter to be a sole distributor ask me fast - Feb 04 2022

web sample letter requesting to be sole distributor i need a letter requesting to credit my subject addressed to the dean what will i include in the letter a sample letter of closing a business address to the city government sample letter for request to be sole distributor continuation line in a business letter definition and sample format

letter of appointment of sole exclusive distributor agent sample - Jul 21 2023

web sep 18 2018 letter of appointment of sole exclusive distributor agent sample a sole distributor is appointed by the supplier company for a particular territory the sole distributor is the only distributor with whom the supplier deals with for that defined territory

sample letter for proposal for sole distributorship template - Jan 15 2023

web sample letter for proposal for sole distributorship template download from business operations proposals distribution agreement employment of consultant or consulting agreement with clauses as to confidentiality covenants not to compete and ownership of inventions sample letter requesting additional material safety data

free sample letter to become a distributor retailer dealership - Mar 17 2023

web jun 26 2023 this freely template of a letter to become a distributor may be employed to request information about becoming a retailer dealership or other affiliate use the forward written sample or insert your own specific details based at your needs

official distributor letter 6 examples format sample - Aug 22 2023

web 6 official distributor letter examples pdf if you are a businessman and you decide to enter in the world of wholesaling industry you need to send a letter to the company or manufacturer with the intent that you want to be their official distributor

how to write a letter to a manufacturer to ask for distribution - Aug 10 2022

web retail distributor request it s short and simple and announces i want to giving you business company hereby appoints distributor as sein exclusive sales available the products in the territory distributor s sole authority shall be to solicit orders

131 9a apu high efficiency mode upgrade now honeywell - May 12 2023

web honeywell has released a high efficiency mode hem upgrade for its 131 9a auxiliary power unit for single aisle airbus

aircraft hem meets our customers needs for more power on the aircraft greater fuel efficiency and a smaller environmental footprint 5 reasons to upgrade to 131 9a hem

honeywell upgrade for 131 9a auxiliary power unit increases - Apr 11 2023

web oct 25 2020 in 2009 the honeywell 131 9a apu on an airbus a320 played a critical role in the emergency landing of us airways flight 1549 in new york s hudson river in which all 155 passengers and crew survived honeywell has shipped more than 15 000 131 9a apus since introducing this model in 1995 about honeywell

honeywell upgrade for 131 9a auxiliary power unit increases time - Mar 10 2023

web oct 26 2020 in 2009 the honeywell 131 9a apu on an airbus a320 played a critical role in the emergency landing of us airways flight 1549 in new york s hudson river in which all 155 passengers and crew survived honeywell has shipped more than 15 000 131 9a apus since introducing this model in 1995 about honeywell

131 series auxiliary power units honeywell aerospace - Aug 15 2023

web honeywell has released a high efficiency mode hem upgrade for the 131 9a auxiliary power unit for airbus single aisle aircrafts upgrade now

honeywell upgrade for 131 9a auxiliary power unit increases time - Nov 06 2022

web oct 26 2020 phoenix oct 26 2020 prnewswire honeywell nyse hon has released a high efficiency mode upgrade for its 131 9a auxiliary power unit for single aisle airbus aircraft

honeywell releases high efficiency mode upgrade for 131 9a - Jul 02 2022

web oct 27 2020 honeywell has released a high efficiency mode upgrade for its 131 9a auxiliary power unit for single aisle airbus aircraft this high efficiency mode which is enabled by a software encryption key is expected to increase the average time on wing by 1 200 flight hours and reduce fuel burn by 2

apu unsung hero of the engine world news flight global - Jan 28 2022

web oct 4 2010 honeywell says the dual alloy one piece turbine wheels will provide some operators with a 10 20 increase in apu life which for the 131 9 is on average about 12 000h time before overhaul tbo

131 9a auxiliary power unit honeywell aerospace - Jul 14 2023

web airbus narrowbody operators flying with honeywell s 131 9a apu can save up to 11 000 in annual fuel costs and improve on wing time by as much as 17 with the new high efficiency mode hem upgrade

honeywell s 131 9 auxiliary power unit reaches 100 million - Feb 26 2022

web aug 6 2013 honeywell s 131 9 model is the most reliable apu for single aisle commercial aircraft in the world with more than 100 million hours of in service operation and counting the 131 9

honeywell 131 9 a youtube - Dec 27 2021

web jun 6 2013 borescope inspection of honeywell 131 9 a apu at team europe ltd we have highly experienced and committed experts specialised in the borescope inspection field engines apu s utilising

honeywell auxiliary power unit wikipedia - Oct 05 2022

web 131 series the 131 9d initially was designed for the mcdonnell douglas md 90 series the 131 9b became standard equipment on boeing 737ng the 131 9a on the airbus a320 family the 131 9c has entered service aboard the airbus a220 formerly bombardier c series the 131 series uses a two stage axial turbine and a single generator which

apu 131 9a change for better flight efficiency and facebook - Mar 30 2022

web resistance to change is resistance to progress that s why we wanted to enable airlines to choose the powerhouse of performance the 131 9a apu so we removed all the barriers to retrofitting see how hwll co 4a4rf

auxiliary power plant engines air conditioning products - Jun 01 2022

web 131 9 series apus are made by honeywell international incorporated and are installed on the japan maritime self defense force s p 1 patrol aircraft and the japan air self defense force s c 2 transport aircraft

turkish technic becomes authorised service centre for honeywell 131 - Jan 08 2023

web oct 24 2022 honeywell has appointed turkish technic as an authorised service centre for the 131 9a auxiliary power units apus installed on airbus a320 aircraft turkish technic is already a honeywell channel partner with

131 9a apu pdf reliability engineering engines scribd - Apr 30 2022

web additionally the 131 9 a is the only available apu to provide an electronic control box ecb that integrates advanced plain english trouble shooting logic and health monitoring capabilities i reduced noise as honeywells quietest commercial apu the 131 9 a meets the icao minus 5 db requirements to improve aircraft acoustics using our

131 9a auxiliary power unit honeywell com cn - Aug 03 2022

web 131 9a auxiliary power unit meet tomorrow s standards today benefits enhanced reliability fleet commonality for your airbus aircraft easy installation

united airlines selects honeywell s 131 9a auxiliary power units - Dec 07 2022

web may 4 2022 united airlines has selected honeywell s 131 9a auxiliary power units apus to equip 120 of its scheduled deliveries of airbus neo and xlr aircraft these apus are designed to provide exemplary

honeywell selects turkish technic to service 131 9a auxiliary - Feb 09 2023

web oct 25 2022 honeywell has appointed turkish technic a maintenance repair and overhaul mro organisation to be an authorised honeywell service centre for the 131 9a auxiliary power units apus installed on the airbus a320 aircraft series

asiana airlines selects honeywell s 131 9a auxiliary power units - Sep 04 2022

web jun 28 2017 honeywell will supply its 131 9a apus to 74 asiana airlines aircraft of which 49 will be retrofitted on the

airline s existing airbus a320ceo current engine option and a321ceo fleet and the remaining 25 on its new airbus a321neo fleet

131 9a 9b auxiliary power unit high efficiency mode - Jun 13 2023

web airbus and boeing narrowbody operators flying with honeywell s 131 9a and 131 9b apus can save up to 9 000 in annual fuel costs reduce co2 emissions and improve on wing time by as much as 25 with the new high efficiency mode hem upgrade many airlines have a corporate esg plan including goals for co2 emissions reduction