

Brassey's Battlefield
Weapons Systems
& Technology
Volume VI

Small Arms & Cannons

C J Marchant Smith
& P R Haslam

Royal Military College of Science, Shivenham, UK



Brassey's Publishers

Small Arms And Cannons

Zhe Xu



Small Arms And Cannons:

Small Arms & Cannons C. J. Marchant Smith, P. R. Haslam, 1982 Good No Highlights No Markup all pages are intact Slight Shelfwear may have the corners slightly dented may have slight color changes slightly damaged spine *The Illustrated Encyclopedia of Small Arms* Rupert Matthews, 2014-10-01 This comprehensive fully illustrated reference volume covers the evolution of small arms from primitive spears to portable rocket launchers The Illustrated Encyclopedia of Small Arms details more than 1 000 weapons complete with full color photographs Featuring arms from around the world and across history this stunning guide highlights the intricacies that make each variety unique tying in historical anecdotes as well as the history of certain brands Revealing fascinating insights and historical episodes such as the inspiration for Samuel L Colt s revolvers or the lozenge case gun used by Italian spies during World War II this is an ideal resource for historians as well as fire arms enthusiasts The volume is lushly illustrated with detailed photographs many of which are published here for the first time Small Arms D. F. Allsop, M. A. Toomey, 1999 This work deals with the classification construction design and theory of different kinds of small arms hand firing weapons heavy machine guns and small calibre automatic cannons It provides the necessary knowledge and information to designers workers in research and development students at military colleges and all those with an interest in firearms **Arms and Armour in Antiquity and the Middle Ages** Paul Lacombe, 1871 **The roll of the Royal College of Physicians of London: Continued to 1993** Royal College of Physicians of London, William Munk, 1873 *Subject-matter Index (made from Titles Only) of Patents of Invention* Bennet Woodcroft, 1854 Subject-matter Index of Specifications of Patents Great Britain. Patent Office, 1857 **Chambers' Encyclopædia** , 1893 **Subject-matter Index (made from Titles Only) of Patents of Inventions, March 2, 1617 to October 1, 1852 ...** Great Britain. Commissioners of Patents, 1854 **Chambers's Encyclopædia** , 1871 *Circular[s]* United States. President's Commission on Economy and Efficiency, 1911 *Pamphlets. American History* , 1875 *Subject-matter Index of Patents Applied for and Patents Granted, for the Year ...* Great Britain. Patent Office, 1857 **Nitrocellulose Industry** Edward Chauncey Worden, 1911 **Southern Historical Society Papers** Southern Historical Society, 1893 **Johnson's New Universal Cyclopaedia: a Scientific and Popular Treasury of Useful Knowledge** , 1879 **American Inventions and Improvements in Breech-loading Small Arms, Heavy Ordnance, Machine Guns, Magazine Arms, Fixed Ammunition, Pistols, Projectiles, Explosives, and Other Munitions of War** Charles Benjamin Norton, 1880 *Proceedings of the Massachusetts Historical Society* Massachusetts Historical Society, 1873 *Elementary Treatise on Military Science and the Art of War* Herbert Everett Tutherly, 1897 **Subject-matter Index of Patents Applied for and Patents Granted** Great Britain. Patent Office, 1882

Small Arms And Cannons Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Small Arms And Cannons**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

https://auld.rmjm.com/data/detail/HomePages/So_Be_It_Or_The_Chips_Are_Down.pdf

Table of Contents Small Arms And Cannons

1. Understanding the eBook Small Arms And Cannons
 - The Rise of Digital Reading Small Arms And Cannons
 - Advantages of eBooks Over Traditional Books
2. Identifying Small Arms And Cannons
 - 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 Small Arms And Cannons
 - User-Friendly Interface
4. Exploring eBook Recommendations from Small Arms And Cannons
 - Personalized Recommendations
 - Small Arms And Cannons User Reviews and Ratings
 - Small Arms And Cannons and Bestseller Lists
5. Accessing Small Arms And Cannons Free and Paid eBooks

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

Small Arms And Cannons Introduction

Small Arms And Cannons Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Small Arms And Cannons Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Small Arms And Cannons : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Small Arms And Cannons : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Small Arms And Cannons Offers a diverse range of free eBooks across various genres. Small Arms And Cannons Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Small Arms And Cannons Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Small Arms And Cannons, especially related to Small Arms And Cannons, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Small Arms And Cannons, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Small Arms And Cannons books or magazines might include. Look for these in online stores or libraries. Remember that while Small Arms And Cannons, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Small Arms And Cannons eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Small Arms And Cannons full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Small Arms And Cannons eBooks, including some popular titles.

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

Find Small Arms And Cannons :

[so be it or the chips are down](#)

[snapshot a carlotta carlyle novel](#)

[snoopy stars as mans best friend](#)

[sniper at war](#)

[so human an animal](#)

[so to speak 1 + audio cassette](#)

soaring with reading and writing a highly effective emergent literacy program

[snow image](#)

soccer exploring sports

social and political thought of karl marx

smythe sewn the jali walls chishti lined

[so mache ich mein testament](#)

snow white the seven dwarfs

so wurde ich pianist

snowshoes the cat with the candycane tail

Small Arms And Cannons :

tolc e sinavi İngilizce hazırlık kursu pisa test prep - Dec 26 2021

web jun 30 2023 questions aspirants will come to know about the pattern and toughness of the questions asked in the examination in the end this book will make the aspirants

lic question bank for ece uniport edu - Sep 22 2021

lic question bank for ece domainlookup - Oct 04 2022

web description lic qbhnsnsnsjskdbfjs copyright all rights reserved flag for inappropriate content of 8 department of ece model examination branch

lic hfl 2022 previous year sample questions with solutions - Mar 29 2022

web apr 5 2023 100 100 60 min a total of 100 questions will be asked for 100 marks the exam will be conducted for 60 minimum for every correct answer 1 mark will be

lic assistant question bank mcq important questions - Apr 29 2022

web lic hfl assistant question bank with self assessor more than 50000 lic hfl questions subjectwise topicwise chapterwise with facility to create your own test based

ec6404 lic 2marks 16marks linear integrated circuits - Jan 07 2023

web lic question bank for ece 3 3 used for solving a variety of engineering problems the book helps students develop an intuitive and practical understanding of the processes

lic question bank for ece banking finance gov - Jun 12 2023

web dec 8 2022 anna university mcq q a notes question bank question paper for linear integrated circuits ec8453 lic semester exams

lic assistant model question paper 2021 direct link features - Feb 25 2022

web jan 27 2023 the lic exam syllabus and exam pattern for hfl assistant assistant manager and associates is the same but the level of difficulty in hfl exam varies

lic question bank for ece help environment harvard edu - Oct 24 2021

web aug 3 2023 the lic question bank for ece it is categorically simple then back currently we extend the associate to purchase and create bargains to download and install lic

ec6404 linear integrated circuits lic part a part b - Aug 14 2023

web apr 17 2018 pdf ec6404 linear integrated circuits lic books lecture notes 2marks with answers important part b
16marks questions question bank syllabus by

ee8451 important questions linear integrated circuits and - Aug 02 2022

web 4 lic question bank for ece 2021 10 20 ample number of previous years questions will help the candidates get an insight into the trends and types of questions asked in the

lic question bank for ece pdf seminary fbny - Dec 06 2022

web more than 2500 objective questions as a whole to boost the preparation level written in an easy to read manner and incorporated with complete study material it is an amazing

ec8453 lic question bank pdf operational amplifier scribd - Sep 03 2022

web dec 3 2018 sample ee8451 important questions linear integrated circuits and applications lic 1 why open loop op amp configurations are not used in linear

lic question bank for ece vod transcode uat mediacp - Jul 01 2022

web the question bank provides all the knowledge required for the bookkeeping transactions unit question banks allow students to test knowledge by putting theory into practice

ec8453 lic important questions linear integrated - Mar 09 2023

web aug 28 2019 for ec8453 lic previous year question papers click here for ec8453 lic question bank 2marks 16marks with answers click here for ec8453 lic

ec8453 lic question papers linear integrated circuits - Apr 10 2023

web aug 27 2019 ec8453 lic important questions anna university regulation 2017ece ec8453 lic important questions with answer key and ece 4th sem ec8453 linear

free lic question bank for ece cyberlab sutd edu sg - May 31 2022

web we provide lic life insurance corporation of india assistant exam 2023 free questions and answers with detailed solutions this mcq or multiple choice or objective question

lic question bank for ece pdf uniport edu - Nov 24 2021

web lic question bank for ece recognizing the habit ways to acquire this books lic question bank for ece is additionally useful you have remained in right site to begin getting this

lic question bank for ece full pdf - Nov 05 2022

web mar 29 2023 more than 2000 previous years questions of different competitive examinations including mat and other mba entrances bank po clerk ssc lic rbi

ec8453 lic notes linear integrated circuits notes - Feb 08 2023

web anna university regulation 2013 electronic communications engineering ece ec6404 lic 2marks 16marks for all 5 units are provided below download link for ece 4th

pdf ec8453 linear integrated circuits lic books - Jul 13 2023

web different types of questions of multiple patterns asked in various exams the verbal reasoning section covers analogy clocks calendar puzzles coding decoding

pdf linear integrated circuits ec8453 notes question - May 11 2023

web aug 17 2019 for ec8453 lic question bank 2marks 16marks with answers click here for ec8453 lic important questions answer key click here for ec8453 lic

lic exams 2023 recruitment posts eligibility syllabus - Jan 27 2022

web imat mimarlık mühendislik sat bocconi test ielts ve toefl hazırlık kurslarımız hakkında detaylı bilgi almak başvuru ve kayıt işlemleri hizmetlerini öğrenmek için 90

los secretos de las calles de madrid casa del libro - Feb 26 2022

web sinopsis de los secretos de las calles de madrid este libro está lleno de sorpresas en su recorrido por las calles más emblemáticas de la villa y corte van surgiendo leyendas y misterios que rodean a personajes y acontecimientos que vivieron o sucedieron tras sus paredes y muros la calle es la gran protagonista de la

las diez calles de madrid con las leyendas más sorprendentes - Nov 06 2022

web actualidad las diez calles de madrid con las leyendas más sorprendentes booking com en madrid hay más de 9 000 calles muchas de ellas con historias que ninguna otra ciudad puede contar te desvelamos las 10 calles más curiosas de madrid y las historias que se esconden tras ellas calle de la pasa

los secretos de las calles de madrid apple books - Jun 01 2022

web madrid es sorpresa magia leyenda historia humor y muchísimas cosas más sus calles esconden secretos que han permanecido ocultos a las miradas de los curiosos el tiempo se ha encargado de desvelar muchos de ellos

los secretos de las calles de madrid descubra las - Apr 11 2023

web los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte ebook written by carla nieto read this book using google play books app on your

los secretos de las calles de madrid descubra las storytel - May 12 2023

web la intención de este libro es compartir con el lector las anécdotas y los hechos históricos que se produjeron en las vías más famosas de la capital pero también participar de las sensaciones que se producen al recorrer algunos de los lugares más típicos de la ciudad

los secretos de las calles de madrid descubra las - Sep 04 2022

web los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte guías ebook nieto carla amazon com mx tienda kindle

los secretos de las calles de madrid descubra las - Jul 14 2023

web lee gratis los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte de carla nieto disponible en e book prueba gratuita durante 30 días

los secretos de las calles de madrid descubra las curi - Aug 03 2022

web sus calles esconden secretos que han permanecido ocultos a las miradas de los curiosos el tiempo se ha encargado de desvelar muchos de ellos la intención de este libro es compartir con el lector las anécdotas y los hechos históricos que se produjeron en las vías más famosas de la capital pero también participar de las sensaciones que

los secretos de las calles de madrid descubra las - Oct 05 2022

web read los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte for free by carla nieto available as e book try 30 days for free

los secretos de las calles de madrid los rincones más - Jul 02 2022

web los secretos de las calles de madrid los rincones más curiosas y las anécdotas más desconocidas de las calles de madrid descubre tu ciudad nieto carla amazon es libros libros literatura y ficción historia teoría literaria y crítica nuevo 18 90 precio final del producto y devoluciones gratis

amazon com los secretos de las calles de madrid descubra - Mar 10 2023

web amazon com los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte guías spanish edition ebook nieto carla tienda kindle

descubre los rincones secretos de madrid la cara oculta de la - Jun 13 2023

web rincones secretos de madrid los lugares más curiosos de la capital la ciudad de madrid oculta en cada distrito en cada barrio y casi en cada esquina alguna pequeña sorpresa que sólo la población local conoce y que rara vez aparece en las guías que seleccionan los diez imprescindibles te invitamos a recorrer esa otra ciudad situada

los secretos de las calles de madrid kobo com - Dec 07 2022

web lee los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte de carla nieto disponible en rakuten kobo madrid es sorpresa magia leyenda historia humor y muchísimas cosas más

los secretos de las calles de madrid carla nieto e kirja - Jan 28 2022

web sus calles esconden secretos que han permanecido ocultos a las miradas de los curiosos el tiempo se ha encargado de desvelar muchos de ellos los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte

carla nieto 295 sivua guías kokeile 0 päivää maksutta

[los secretos de las calles de madrid descubra las](#) - Sep 16 2023

web los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte chapter 19 calle del barquillo

los secretos de las calles de madrid descubra las - Aug 15 2023

web lee ahora en digital con la aplicación gratuita kindle los secretos de las calles de madrid descubra las curiosidades más relevantes de la villa y corte guías ebook nieto carla amazon es tienda kindle

[los secretos de las calles de madrid descubra las](#) - Jan 08 2023

web jul 18 2017 madrid es sorpresa magia leyenda historia humor y muchísimas cosas más sus calles esconden secretos que han permanecido ocultos a las

[los secretos de las calles de madrid descubra las](#) - Feb 09 2023

web madrid es sorpresa magia leyenda historia humor y muchísimas cosas más sus calles esconden secretos que han permanecido ocultos a las miradas de los curiosos el tiempo se ha encargado de desvelar muchos de ellos la intención de este libro es compartir con el lector las anécdotas y los hechos históricos que se pr

los secretos de las calles de madrid overdrive - Mar 30 2022

web jul 18 2017 madrid es sorpresa magia leyenda historia humor y muchísimas cosas más sus calles esconden secretos que han permanecido ocultos a las miradas de los curiosos

[descubrimos las historias más misteriosas que esconden las](#) - Apr 30 2022

web mar 5 2023 e este madrid lleno de secretos hay lugares que esconden historias para no dormir de los fantasmas se habla figurativamente pero dicen que haberlo haylos y sino que se lo pregunten a nuestra

8 quantities in chemical reactions chemistry libretexts - Sep 04 2022

web aug 23 2020 the quantity of heat for a process is represented by the letter q the sign of q for an endothermic process is positive because the system is gaining heat a chemical

chapter 10 test chemical quantities flashcards quizlet - Aug 15 2023

web chapter 10 test chemical quantities flashcards quizlet study with quizlet and memorize flashcards containing terms like what has a quantity of 6 02 x 10 23 to find

[chapter 10 chemical quantities test answer key answers for](#) - Aug 03 2022

web 10 1 the mole a measurement of matter the grade you got on your last exam the for this chapter team up a limited english pro chemical quantities 289 sample

chapter 10 chemical quantities review answer key docx - Oct 05 2022

web view chapter 10 chemical quantities review answer key docx from dhj dtyuif at university of notre dame chapter 10 chemical quantities review part 1 vocabulary

chemical quantities answers key chapter test download only - Dec 27 2021

web chemical quantities quiz answer key atoms and chapter 10 chemical quantities continued section 10 1 the mole a measurement of matter

chapter 10 chemical quantities chapter quiz answer key - Jan 28 2022

web chapter 10 chemical quantities chapter quiz answer key chemical amounts worksheet responses from mr 12 l of 0 answer 9d unit in samples of the same chemical

4 7 3 answers to chemical quantities exercises - Apr 11 2023

web using moles avogadro s number 1 2 67 mol of h and 2 67 mol of cl 5 34 mol of h 2 67 mol of s and 10 68 mol of o 2 67 mol of al 8 01 mol of n and 24 03 mol of o 5 34 mol

chapter 10 chemical quantities practice problems answer key - Jul 02 2022

web chapter 10 chemical quantities review answer key docx true or false classify each of these statements as true or false true 1 a mole of an element contains 6 02

chapter 10 chemical quantities practice test answers - May 12 2023

web verified answer physics a college student is working on her physics homework in her dorm room her room contains a total of 6 0 times 10 26 6 0 1026 gas molecules as she

chemical quantities - Apr 30 2022

web chapter 10 chemical quantities continued 9 complete the table about representative particles and moles the mass of a mole of an element pages 293 294 10 what is the

chemistry chapter 10 chemical quantities flashcards - Jan 08 2023

web percentage cu 127 0 g cu 159 1 g cu2s x 100 79 87 cu percentage s 32 1 g s 159 1 g cu2s x 100 20 2 s another example of percent composition you may

chemical quantities answers key chapter test 2022 - Feb 26 2022

web answers on chapters atomic structure basic chemistry chemical bonding chemistry experimental techniques gases liquids and solids tests for college and university

chemistry i h chapter 10 chemical quantities chapter test b - Jul 14 2023

web learn test match created by hartford emily chapter 10 chemical quantities chapter test b pages 256 259 by pearson education terms in this set 26 1 the percent by

chemical quantities answers key chapter test 2022 dev theigc - Mar 30 2022

web chapter 10 chemical quantities quiz answer key chapter 10 chemical quantities practice problems answer key chapter 7 chemical quantities lmtsd org section

chemical quantities chapter quiz answer key test thelyst - Sep 23 2021

web it will agreed ease you to see guide chemical quantities chapter quiz answer key as you such as by searching the title publisher or authors of guide you in reality want you

chemical quantities answers key chapter test pdf uniport edu - Oct 25 2021

web jul 2 2023 chemical quantities answers key chapter test 1 36 downloaded from uniport edu ng on july 2 2023 by guest chemical quantities answers key chapter

chapter 7 chemical quantities flashcards practice test quizlet - Dec 07 2022

web chapter 7 chemical quantities study flashcards learn write spell test play match gravity created by kris albaugh terms in this set 11 mole mol the amount

4 7 2 chemical quantities exercises chemistry libretexts - Feb 09 2023

web hcl b h 2 so 4 c al 2 co 3 3 d ga 2 so 4 3 3 calculate the number of atoms or ions of a 2 00 mole of fe b 4 36 mol of si c 1 20 x 10 2 mol of li d 0 875 mol of s 2 4

chemical reactions quantities chapter exam study com - Nov 06 2022

web chemical reactions quantities practice test questions chapter exam study com science courses high school chemistry help and review chemical reactions

chapter 7 chemical reactions and chemical quantities - Mar 10 2023

web this chapter will describe how to symbolize chemical reactions using chemical equations how to classify some common chemical reactions by identifying patterns of reactivity

chemical quantities answers key chapter test sibole online - Nov 25 2021

web to get started finding chemical quantities answers key chapter test you are right to find our website which has a comprehensive collection of manuals listed our library is

chemical quantities answers key chapter test - Jun 01 2022

web insight of this chemical quantities answers key chapter test can be taken as without difficulty as picked to act college chemistry drew h wolfe 1996 this self assessment

pearson chemistry 9780132525763 solutions and answers - Jun 13 2023

web our resource for pearson chemistry includes answers to chapter exercises as well as detailed information to walk you through the process step by step with expert solutions