

(c) (i) Any one relevant source stated × 1 mark

[1]

- Personal/own savings
- Retained profits
- Sale of personal assets
- Reducing stock

Accept any other relevant point

(ii) Any one reason × 1 mark plus up to 2 marks for explanation

[3]

- Has little personal savings (1) and may want to keep them for emergencies (1) *allow an example* (1)
- Only a small business (1) so retained profit unlikely to be sufficient (1) to cover the large amount needed for the cost of a van (1)
- Reducing stock may not be possible (1) without holding a 'fire sale' (1) and this might result in Nina not receiving enough money (1)
- Personal assets are needed (1) *allow an example* (1) and therefore not available for sale (1)

Accept any other relevant point

(d) Level 2 (4–6 marks)

[6]

Has discussed both sources of finance and has given a reasoned recommendation.
(If a candidate has discussed only one option award 4 marks max)

Level 1 (1–3 marks)

Has commented on one or both options with/without recommendation

Bank Loan

- Would be repaid over a period of two to five years with monthly payments of principal sum and interest would probably have to be paid too.
- Would be secured by the asset (van) and Nina would probably have to make a down-payment of around 20%.

Leasing

- Agreed payment over set period, usually two to five years.
- Van would not be owned by Nina.
- At end of period van is given back to leasing company.
- Down payment probably limited to monthly payment up front or none at all.

Comparison

- Payments would probably be higher on bank loan.
- At end of period Nina would own van but not with leasing.
- Leasing does not usually require an initial down-payment whereas a bank loan usually does.
- Accept recommendation of either as long as it is supported.

Accept any other relevant point

O Level Past Papers 2011

Yijin Wang



O Level Past Papers 2011:

Delve into the emotional tapestry woven by Emotional Journey with in Experience **O Level Past Papers 2011** . This ebook, available for download in a PDF format (*), is more than just words on a page; it's a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

https://crm.avenza.com/book/publication/Documents/perkins_4_cylinder_diesel_engine.pdf

Table of Contents O Level Past Papers 2011

1. Understanding the eBook O Level Past Papers 2011
 - The Rise of Digital Reading O Level Past Papers 2011
 - Advantages of eBooks Over Traditional Books
2. Identifying O Level Past Papers 2011
 - 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 O Level Past Papers 2011
 - User-Friendly Interface
4. Exploring eBook Recommendations from O Level Past Papers 2011
 - Personalized Recommendations
 - O Level Past Papers 2011 User Reviews and Ratings
 - O Level Past Papers 2011 and Bestseller Lists
5. Accessing O Level Past Papers 2011 Free and Paid eBooks
 - O Level Past Papers 2011 Public Domain eBooks
 - O Level Past Papers 2011 eBook Subscription Services
 - O Level Past Papers 2011 Budget-Friendly Options

6. Navigating O Level Past Papers 2011 eBook Formats
 - ePub, PDF, MOBI, and More
 - O Level Past Papers 2011 Compatibility with Devices
 - O Level Past Papers 2011 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of O Level Past Papers 2011
 - Highlighting and Note-Taking O Level Past Papers 2011
 - Interactive Elements O Level Past Papers 2011
8. Staying Engaged with O Level Past Papers 2011
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers O Level Past Papers 2011
9. Balancing eBooks and Physical Books O Level Past Papers 2011
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection O Level Past Papers 2011
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine O Level Past Papers 2011
 - Setting Reading Goals O Level Past Papers 2011
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of O Level Past Papers 2011
 - Fact-Checking eBook Content of O Level Past Papers 2011
 - 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

O Level Past Papers 2011 Introduction

In the digital age, access to information has become easier than ever before. The ability to download O Level Past Papers 2011 has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download O Level Past Papers 2011 has opened up a world of possibilities. Downloading O Level Past Papers 2011 provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading O Level Past Papers 2011 has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download O Level Past Papers 2011. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading O Level Past Papers 2011. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading O Level Past Papers 2011, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download O Level Past Papers 2011 has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About O Level Past Papers 2011 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. O Level Past Papers 2011 is one of the best book in our library for free trial. We provide copy of O Level Past Papers 2011 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with O Level Past Papers 2011. Where to download O Level Past Papers 2011 online for free? Are you looking for O Level Past Papers 2011 PDF? This is definitely going to save you time and cash in something you should think about.

Find O Level Past Papers 2011 :

perkins 4 cylinder diesel engine

[personal fitness chapter answers](#)

percy jackson s greek gods

[personal statement essay examples for scholarships](#)

perkins d3 152 engine manual

[periodontics study guide](#)

[personal finance chapter quiz](#)

perkins 4 203 manual

[peoplesoft user guide](#)

[personal essay writing classes](#)

perkins 3024c torque specs

[perfect working order english edition](#)

[periodic table basics answer key](#)

perkins 1500 series workshop manual

~~perry 6 edition handbook~~

O Level Past Papers 2011 :**nep rheumatic heart disease pdf heart circulatory system** - May 12 2023

web nursing care plan rheumatic heart disease diagnosis planning intervention decreased cardiac output related to altered myocardial contractility evidenced by mitral stenosis accumulation of fibrin on mitral valve

contemporary diagnosis and management of rheumatic heart disease - Mar 10 2023

web oct 19 2020 epidemiology the global regional and national burden of rhd from 1990 to 2015 as part of the 2015 global burden of disease study was reported in a 2017 publication 1 and is updated annually on the global burden of disease study website 5 although a worldwide decline in health related burden of rhd was noted the study

nursing case study for rheumatic heart disease - Jun 13 2023

web what potential risk factors does ms patel have for rheumatic heart disease view answer coming from impoverished conditions the disease persists among the rural poor and marginalized populations with little or no access to primary health care

4 acute rheumatic fever nursing care plans nurseslabs - Aug 15 2023

web apr 30 2023 this article discusses nursing care plans and management for patients with acute rheumatic fever a serious inflammatory condition that affects the heart joints and other organs learn about the essential components of nursing care for this condition nursing diagnosis nursing goals and nursing interventions and how nurses can

rheumatic fever free nursing com courses - Jul 02 2022

web outline overview acute rheumatic fever arf abnormal immune response to group a strep gas affects heart joints skin and brain rheumatic heart disease rhd most significant complication of arf mitral valve damage scarring on leaflets on valves can cause heart failure atrial fibrillation nursing points general

2020 acc aha guideline for the management of patients with - Jan 08 2023

web otto et al 2020 acc aha guideline for the management of valvular heart disease executive summary aim this executive summary of the valvular heart disease guideline provides recommendations for clinicians to diagnose and manage valvular heart disease as well as supporting documentation to encourage their use

rheumatic heart disease nursing process adpie osmosis - Apr 11 2023

web learn and reinforce your understanding of rheumatic heart disease nursing process adpie rheumatic heart disease nursing process adpie videos flashcards high yield notes practice questions

nursing care for the patient with rheumatic heart disease - Apr 30 2022

web community nursing plan for patients with rheumatic fever and rheumatic heart conditions in or yehuda goldiak s david t shapiro h ahot beyisrael 20 82 36 41 01 jun 1972 cited by 0 articles pmid 4487354

nursing care plan rhd docx nursing care plan rheumatic heart - Mar 30 2022

web feb 27 2022 nursing 01 nursing care plan rheumatic heart disease assessment diagnosis planning intervention rationale evaluation subjective naninikip po ang dibdib ko at masakit din ang lalamunan ko i feel pain on my chest and my heart palpitates so much like i am nervous verbalized by the patient

nursing care plan ncp for rheumatic fever - Jan 28 2022

web pathophysiology when a strep throat infection is untreated or is not completely treated it can result in an autoimmune condition called rheumatic fever this autoimmune response causes inflammation in the body that attacks the joints heart skin and central nervous system risk factors that may increase the chance of developing rheumatic

cardiac care and cardiovascular system nursing care plans nurseslabs - Nov 06 2022

web cardiac care plans nursing care plans with a heart all topics related to the disorders of the cardiovascular system heart failure hypertension myocardial infarction and more cardiac care plans hematologic and lymphatic care plans nursing care plans 9 deep vein thrombosis nursing care plans

acute rheumatic fever nursing care plans nurseapex com - Sep 04 2022

web apr 26 2022 nursing care plans for patients with rheumatic fever should address the severity of their condition and the specific symptoms they are experiencing this illness is characterized by fever increased heart rate and pain in the joints some patients also develop rash and cardiac involvement can lead to elevated blood pressure

rheumatic heart disease prevention techniques - Dec 27 2021

web conclusion in conclusion the ideal prevention for rheumatic heart disease would be a vaccine to prevent initial development of a strep throat infection secondary to a vaccine that is still in development there are antibiotics used to treat the strep infection to prevent development of rheumatic fever

chapter 10 acute rheumatic fever and rheumatic heart disease - Aug 03 2022

web people with a history of acute rheumatic fever arf or known rheumatic heart disease rhd administer routine childhood and adult vaccinations plus annual influenza vaccination as per the national immunisation program schedule refer also to chapter 3 child health provide pneumococcal vaccination

rheumatic fever and rheumatic heart disease rhd action - Jun 01 2022

web the nursing intervention for a patient with rheumatic heart disease include all except a check vital signs frequently

rheumatic fever nursing diagnosis and care plan - Feb 26 2022

web rheumatic fever nursing diagnosis and care plan by anna curran rn bsn phn rheumatic fever is an inflammatory disease that results from an improperly treated strep throat or scarlet fever due to an infection caused by streptococcus bacteria

10 nursing diagnosis for rheumatic heart disease rhd - Jul 14 2023

web oct 10 2012 nursing care plan for rheumatic heart disease 10 nursing diagnosis for rheumatic heart disease rhd 1 decreased cardiac output related to a disturbance in the closure of the mitral valve valve stenosis 2 ineffective peripheral tissue perfusion

preventive interventions to reduce the burden of rheumatic heart - Dec 07 2022

web jul 8 2021 background rheumatic heart disease is preventable yet associated with significant health burden mostly in low resourced settings it is prevalent among children and young adults living in impoverished areas

diagnosis and management of rheumatic heart disease - Feb 09 2023

web oct 30 2020 the world heart federation whf has set forth an aim to reduce the burden of rhd by 25 in 2025 rhd diagnosis during acute rheumatic fever arf rheumatic carditis can manifest as pericarditis or valvulitis rheumatic carditis will frequently progress to rhd up to 70 in certain studies although the initial arf will have often been missed

rheumatic fever nursing care management and study guide - Oct 05 2022

web jul 22 2023 nursing care planning and goals main article 4 acute rheumatic fever nursing care plans the major nursing care planning goals for rheumatic fever are reducing pain providing diversional activities and sensory stimulation conserving energy preventing injury nursing interventions nursing interventions for a child with

ardublockedu download sourceforge net - Feb 09 2023

web nov 25 2016 ardublock is a block programming language for arduino the language and functions model closely to arduino language reference this version of ardublock is tweaked to more closely resemble the arduino language and is meant to teach kids programming basics before transitioning to c or c

getting started with ardublock sparkfun learn - Jun 13 2023

web ardublock is a programming environment designed to make physical computing with arduino easier for beginners instead of writing code worrying about syntax and mis placing semicolons ardublock allows you to visually program with a snapped together list of code blocks

ardublock download review softpedia - Jan 08 2023

web sep 5 2014 download ardublock 20130814 20140828 beta an easy to use visual programming application for arduino allowing users to combine various elements like communicators or variables

integrate ardublock with arduino ide 6 steps instructables - Dec 07 2022

web step 1 install arduino ide download any version of arduino ide here i m using ver1 0 5 and install it on computer

executable arduino installer is available so you no need to unzip and copying files you can find a desktop shortcut as arduino
step 2 download ardublock use this link to download ardublock all jar

[ardublock download install and basic programming tutorial in english](#) - Oct 05 2022

web 1 1k views 4 years ago ardublock download install and basic programming tutorial in english blink led on arduino
examples use of ardublock and ardublock programming with led simple tutorial

github taweili ardublock ardublock is a block programming - Nov 06 2022

web nov 12 2017 ardublock ardublock is a block programming language for arduino the language and functions model
closely to arduino language reference installation the project is managed by maven after checking out the source for the first
time one should run the following to install arduino s pde jar into the local repository

is there a working combination of arduino ide ardublock - Mar 30 2022

web mar 23 2021 i m trying to set up ardublock but the last release they have is from 2014 and in a recent arduino ide it
fails when i try to upload the program to the arduino board exception in thread awt eventqueue 0 java lang
nosuchmethoderror processing app editor settext ljava lang string v at

[releases taweili ardublock github](#) - Apr 11 2023

web ardublock is a block programming language for arduino releases taweili ardublock

ardublock nedir ve arduino nuz İçin neler yapabilir - Dec 27 2021

web sep 26 2018 ardublock un bize sunduğu fonksiyonlar ve olanaklar arduino ide nin bize sunduğu ile aynı yani ardublock
u arduino kartımıza bağlayabilir ardublock un oluşturduğu kodu bloklar sayesinde gönderebilir ve

ardublock books - Jun 01 2022

web arduino ardublock 2 0 working with esp8266 data transfer via wifi server client scanner receiving arduino data video
course by book age from 17 years old open

[ardublock for arduino installation step by step youtube](#) - May 12 2023

web aug 2 2019 instead of writing code ardublock allows you to visually program with blocks similar to scratch ardublock
install block based programming or graphical programming language young people

ardublock canada robotix - Jul 02 2022

web may 11 2019 ardublock is a programming interface designed to make programming with arduino easier instead of
writing code ardublock allows you to visually program with blocks similar to scratch ardublock is an add on to arduino as a
result the arduino ide is required

ardublock tutorial english ardublock programming e learning - Sep 04 2022

web ardublock tutorial english ardublock programming e learning home in corona pandemic ardublock tutorial in english

learn ardublock install and programming with led blinking

karlth arduino esp ardublock github - Apr 30 2022

web arduino with lib for esp and ardublock esp contribute to karlth arduino esp ardublock development by creating an account on github

how to edit ardublock project block based programming - Mar 10 2023

web dec 9 2021 more info in download ardublock and openblocks source code section install and check if java jdk is installed 1 download and install java jdk compatible with your operating system link 2 access run console win r and type sysdm cpl 3 go to advanced and click on environment variables 4

ardublock for arduino installation youtube - Aug 03 2022

web jan 27 2015 ardublock for arduino installation instructions for installing ardublock a graphical programming interface for the arduino

ardublock 3 0 block coding program for arduino and esp - Jul 14 2023

web ardublock is a programming tool for the arduino and esp platform using visual programming blocks create a project today without programming for your arduino or esp board

ardublock browse files at sourceforge net - Feb 26 2022

web aug 28 2014 download latest version ardublock beta 20140702 jar 9 6 mb get updates home name modified size info downloads week ardublock beta 20140828 jar 2014 08 28 5 3 mb 25 s4a is a scratch modification that supports simple programming of the arduino open source hardware platform it provides new blocks for managing

ardublock 1 0 english - Jan 28 2022

web arduino xml 1 10 1 10 100 0 1023 0 255 0 100 1 1000 1000000 s 5 8 7 6 12 9 20 23 0 0 12 9 20 23 0 0 2 0 9600 dec 0 text text a 2 3 9600 123 10 9 9600 dec 0 text text a 9 10 1 2 var var 0 70 var 0 255 0 0 0 10 dir name dir name filename txt filename txt filename txt text to write in the file filename txt filename txt var filename txt var 32

ardublock block coding platform for teaching and learning coding - Aug 15 2023

web learn and learn coding with ardublock new and improved ardublock design code for robots smart homes like arduino with blocks or writing c

radioactive decay questions practice questions with answers - Sep 04 2022

web important radioactive decay questions with answers 1 what is transmutation transmutation is the changing of one element into another by radioactive decay nuclear bombardment or similar processes 2 in which decay is the helium nucleus emitted beta decay alpha decay gamma decay atomic decay answer b alpha decay

radioactivity definition types applications facts - Oct 05 2022

web aug 28 2023 radioactivity property exhibited by certain types of matter of emitting energy and subatomic particles spontaneously it is in essence an attribute of individual atomic nuclei radioactive decay is a property of several naturally occurring elements as well as of artificially produced isotopes of the elements

[radioactivity revision question answers qa](#) - Apr 30 2022

web nov 13 2022 we shall have several mathematical radioactivity concept solved in addition we will be reminding ourselves most of the concepts we have so far learnt i be

199 questions with answers in radioactivity science topic - Jul 14 2023

web aug 28 2023 questions related to radioactivity 1 2 tristan beckwith asked a question related to radioactivity will the cesium diffusing into the pacific impact the bicarbonate equilibrium to release

radioactivity an overview sciencedirect topics - Feb 26 2022

web radioactivity introduction and history from the quantum to quarks in an updated and much expanded second edition provides an introduction to radioactivity and our knowledge of the building blocks of matter the fundamental forces in nature and the role of quarks and force particles ie gluons photons and the w and z 0 bosons in

radioactivity multiple choice questions pdf quiz answers a - Jun 01 2022

web the multiple choice question mcq quiz radius of nucleus ranges from pdf radioactivity app download free with 10 15 m to 10 14 m 10 15 m 10 10 m and 10 10 m to 10 6 m choices for gre test solve atom model quiz questions for jobs assessment test and online courses for act test prep classes

radioactivity mcqs for neet byju s - Dec 27 2021

web answer b neutron q4 three types of radioactive elements are emitted when unstable nuclei undergo radioactive decay which of the following is not one of them beta gamma alpha delta answer d delta q5 a nuclear fission reaction becoming self sustaining depends on electrons neutrons energy protons

ck 12 chemistry concepts intermediate answer key - Jan 08 2023

web ck 12 chemistry concepts intermediate answer key chapter 24 nuclear chemistry 24 1 discovery of radioactivity practice questions read the material at the link below and answer the following questions chemteam info radioactivity disc of alpha beta html 1

100 best radioactivity mcqs with answer radiologystar - May 12 2023

web may 15 2023 39 the release in energy in nuclear fission is consistent with the fact that uranium has a more mass per nucleon than either of the two fragments b has more mass per nucleon as the two fragment c has exactly the same mass per nucleon as the two fragments d less mass per nucleon than either of the two fragments

radioactivity questions and answers objective mcq quiz - Jan 28 2022

web 1 when unstable nuclei undergo radioactive decay they emit three types of radioactivity which is not one of them alpha beta gamma delta 2 radioactivity is spontaneous and random true false 3 whether or not a nuclear fission reaction becomes self sustaining depends on the release of energy protons neutrons electrons 4

radioactivity mcq free pdf objective question answer for - Apr 11 2023

web aug 11 2023 get radioactivity multiple choice questions mcq quiz with answers and detailed solutions download these free radioactivity mcq quiz pdf and prepare for your upcoming exams like banking ssc railway upsc state psc

radioactivity science quiz thoughtco - Nov 06 2022

web mar 8 2017 if you feel a bit shaky about some of the concepts you can review how radioactivity works and why isotopes undergo radioactive decay from here gain a practical understanding of common radioactive materials you might encounter in daily life

radioactivity concept review questions answer key regents - Mar 30 2022

web radioactivity concept review questions answer key yeah reviewing a books radioactivity concept review questions answer key could build up your near links listings this is just one of the solutions for you to be successful as understood expertise does not suggest that you have fantastic points

review questions of nuclear reactions and radioactivity - Aug 15 2023

web answer key james chadwick radioactivity direct positive beam of particles at a piece of gold foil found that most particles went through the foil some were deflected at an angle and some bounced straight back concluded that atom is

practice multiple choice questions radioactivity sample exam - Dec 07 2022

web practice multiple choice questions radioactivity multiple choice questions appear in both exam papers and at both tiers multiple choice questions are asked as questions often starting with

chapter 10 nuclear chemistry section 10 1 radioactivity - Feb 09 2023

web apr 11 2015 nuclear decay pages 292 293 1 describe radioactivity radioactivity is the process in which an unstable atomic nucleus emits charged particles and energy 2 a radioisotope is any atom that contains an unstable nucleus 3 describe what happens to radioisotopes during nuclear decay over time radioisotopes spontaneously change into

radioactivity physics notes revision questions answers - Jun 13 2023

web study it and answer the questions that follow a name the type of radiation emitted when isotope h changes to isotope j b write an equation for the nuclear reaction that occur when isotope j changes to isotope k

chapter 3 radioactivity lawrence berkeley national laboratory - Mar 10 2023

web chapter 3 radioactivity in radioactive processes particles or electromagnetic radiation are emitted from the nucleus the most common forms of radiation emitted have been traditionally classified as alpha a beta b and gamma g radiation

25 radioactivity multiple choice questions physics - Jul 02 2022

web radioactivity multiple choice questions radioactivity practice problems question if the half life of a radioactive sample is 10 hours its mean life is a 14 4 hours b 7 2 hours c 20 hours d 6 93 hours view answer question radioactive substances do not emit a electron b helium nucleus c positron d proton view answer

what is radioactivity definition laws units alpha decay uses - Aug 03 2022

web occurrence of alpha decay uses of radioactivity advantages and disadvantages of radioactivity frequently asked questions faqs what is radioactivity due to nuclear instability an atom s nucleus exhibits the phenomenon of radioactivity energy is lost due to radiation that is emitted out of the unstable nucleus of an atom