22.5 Plant Hormones and Responses

- Plant hormones <u>regulate</u> plant <u>functions</u>.
 - Hormones are chemical messengers.
 - produced in one part of an organism
 - stimulates or suppresses activity in another part









Section 5 Plant Hormones And Responses Study Guide B

SB Merriam

Section 5 Plant Hormones And Responses Study Guide B:

Unveiling the Magic of Words: A Overview of "Section 5 Plant Hormones And Responses Study Guide B"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really aweinspiring. Enter the realm of "Section 5 Plant Hormones And Responses Study Guide B," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

https://crm.avenza.com/data/virtual-library/default.aspx/sharp copier service manual.pdf

Table of Contents Section 5 Plant Hormones And Responses Study Guide B

- 1. Understanding the eBook Section 5 Plant Hormones And Responses Study Guide B
 - The Rise of Digital Reading Section 5 Plant Hormones And Responses Study Guide B
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Section 5 Plant Hormones And Responses Study Guide B
 - Exploring Different Genres
 - o Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Section 5 Plant Hormones And Responses Study Guide B
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Section 5 Plant Hormones And Responses Study Guide B
 - Personalized Recommendations
 - Section 5 Plant Hormones And Responses Study Guide B User Reviews and Ratings
 - Section 5 Plant Hormones And Responses Study Guide B and Bestseller Lists

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

Section 5 Plant Hormones And Responses Study Guide B Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Section 5 Plant Hormones And Responses Study Guide B free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Section 5 Plant Hormones And Responses Study Guide B free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Section 5 Plant Hormones And Responses Study Guide B free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Section 5 Plant Hormones And Responses Study Guide B. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Section 5 Plant Hormones And Responses Study Guide B any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Section 5 Plant Hormones And Responses Study Guide B 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 webbased 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. Section 5 Plant Hormones And Responses Study Guide B is one of the best book in our library for free trial. We provide copy of Section 5 Plant Hormones And Responses Study Guide B in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Section 5 Plant Hormones And Responses Study Guide B. Where to download Section 5 Plant Hormones And Responses Study Guide B online for free? Are you looking for Section 5 Plant Hormones And Responses Study Guide B PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Section 5 Plant Hormones And Responses Study Guide B. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really

should consider finding to assist you try this. Several of Section 5 Plant Hormones And Responses Study Guide B are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Section 5 Plant Hormones And Responses Study Guide B. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Section 5 Plant Hormones And Responses Study Guide B To get started finding Section 5 Plant Hormones And Responses Study Guide B, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Section 5 Plant Hormones And Responses Study Guide B So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Section 5 Plant Hormones And Responses Study Guide B. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Section 5 Plant Hormones And Responses Study Guide B, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Section 5 Plant Hormones And Responses Study Guide B is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Section 5 Plant Hormones And Responses Study Guide B is universally compatible with any devices to read.

Find Section 5 Plant Hormones And Responses Study Guide B:

sharp copier service manual
sharp el2192p manual
shadows northwest book 1
sex and shopping erotic feast book english edition
setup guide for rfactor
sharp aquos remote codes manual
seventh grade math journal

setswana p2 grade 11 2014

setswana june exam pquestion paper

sgh t528g manual

shadow of a bull

setswana paper 2 grade 11 scope

sex piston biker bitches volume 1

sewell lexus parts user manual phone number

shark fear shark awareness the secret issue english edition

Section 5 Plant Hormones And Responses Study Guide B:

scott pilgrim vol 1 scott pilgrim s precious little life - Mar 10 2023

web aug 18 2004 but scott pilgrim vol 1 scott pilgrim s precious little life establishes pretty quickly that bryan lee o malley has a rare talent for spicing up an ordinary story into a precious little one subspace highways snowstorms love triangles and rock concerts all

scott pilgrim vol 1 scott pilgrim s precious little life kapak - Jan 08 2023

web scott pilgrim 6 books collection set bryan lee o malley 1 6 volume scott pilgrim s precious little life volume 1 scott pilgrim vs the world volume 2 scott pilgrim and the infinite sadness volume 3 scott pilgrim gets it together volume 4 sc scott pilgrim vol 1 scott pilgrim s precious little life - Jul 02 2022

web scott pilgrim vol 1 scott pilgrim s precious little life just when you thought you knew all there was to know about scott pilgrim comes scott pilgrim color hardcover volume 1 precious little life the first in a series of brand new hardcover editions this remastered 6 x9 hardcover presents scott s first evil ex battle as you ve never

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - May 12 2023

web scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition ebook o malley bryan lee o malley bryan lee fairbairn nathan amazon in books

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Aug 15 2023

web aug 8 2012 scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition kindle edition by o malley bryan lee o malley bryan lee fairbairn nathan download it once and read it on your kindle device pc phones or tablets

scott pilgrim vs the podcast the podcast vs vol 1 scott pilgrim s - Mar 30 2022

web the podcast vs vol 1 scott pilgrim s precious little life scott pilgrim vs the podcast after shows we re officially kicking off our dive into bryan lee o malley s scott pilgrim by revisiting the book that started it all scott pilgrim s precious little life how does the book hold up nearly two decades later

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Feb 09 2023

web scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition ebook o malley bryan lee o malley bryan lee fairbairn nathan amazon co uk books

scott pilgrim vol 1 of yumpu - Dec 27 2021

web apr 8 2020 scott pilgrim color vol 1 precious little life the first in a series of brand new full color editions presents scott s first evil ex battle as you ve never seen it before plus previously unpublished extras and bonus materials make this mighty tome one that s required reading for scottaholics everywhere previous page next page 1 2 3 4

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Oct 05 2022

web aug 18 2004 just when you thought you knew all there was to know about scott pilgrim comes scott pilgrim color vol 1 precious little life the first in a series of brand new full color editions presents scott s first evil ex battle as you ve never seen it before

scott pilgrim vol 1 scott pilgrim s precious little life review - Jun 01 2022

web sep 7 2023 scott pilgrim s precious little life synopsis here s the official synopsis of scott pilgrim volume 1 via oni press scott pilgrim s life is totally sweet he s 23 years old in a rock band between jobs and dating a cute high school girl scott pilgrim vol 1 precious little life google books - Feb 26 2022

web aug 14 2012 just when you thought you knew all there was to know about scott pilgrim comes scott pilgrim color hardcover volume 1 precious little life the first in a series of brand new hardcover editions this remastered 6×9 hardcover presents scott s first evil ex battle as you ve never seen it before in full color

scott pilgrim scott pilgrim s precious little life color edition - Nov 06 2022

web about this ebook just when you thought you knew all there was to know about scott pilgrim comes scott pilgrim s precious little life special edition hc the first in a series of brand

scott pilgrim volume 1 scott pilgrim s precious little life - Aug 03 2022

web 1 v unpaged 19 cm scott pilgrim s life is fantastic he s 23 years old in a rock band between jobs and dating a cute high school girl everything s awesome until a seriously mind blowing delivery girl named ramona flowers enters his

scott pilgrim s precious little life open library - Apr 30 2022

web apr 1 2023 details reviews lists related books last edited by importbot april 1 2023 history edit an edition of scott pilgrim s precious little life scott pilgrim vol 1 2004 scott pilgrim s precious little life by bryan lee o malley 4 13 30 ratings 92 want to read 6 currently reading 39 have read scott pilgrim s life is fantastic

scott pilgrim wikipedia - Apr 11 2023

web scott pilgrim s precious little life volume 1 scott pilgrim is a charming and confident 23 year old canadian slacker living in a video game style toronto with his sarcastic gay roommate wallace wells he has started dating a

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Sep 04 2022

web scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition english edition kindle e comixology edição inglês por bryan lee o malley autor artista nathan fairbairn colorista formato ebook kindle 4 7 2 616 avaliações de clientes parte de scott pilgrim color

scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Jan 28 2022

web scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition preview scott pilgrim color english edition edición kindle edición inglés por bryan lee o malley autor artista nathan fairbairn colorista formato edición kindle 4 7 scott pilgrim vol 1 of 6 scott pilgrims precious little life 2012 - Jul 14 2023

web read scott pilgrim vol 1 of 6 scott pilgrims precious little life 2012 comic online free and high quality fast loading speed unique reading type all pages a to z comics

scott pilgrim vol 1 scott pilgrim s precious little life - Jun 13 2023

web jan 29 2022 scott pilgrim vol 1 scott pilgrim s precious little life topics scott pilgrim comic scott pilgrim vol 1 eng mobi addeddate 2022 01 29 15 09 24 identifier scott pilgrim vol 1 scott pilgrims precious little life scanner scott pilgrim vol 1 of 6 scott pilgrim s precious little life - Dec 07 2022

web scott pilgrim vol 1 of 6 scott pilgrim s precious little life color edition ebook o malley bryan lee o malley bryan lee fairbairn nathan amazon ca books

how to optimize the design of your supply chain network - Apr 30 2022

web your supply chain network forms the foundation that your business is built upon designing and deploying a robust supply chain network will position your company for growth while failing to do so can put your business on shaky ground the process of designing a supply chain network involves critical strategic decisions that have a huge

supply chain network design be efficient 2023 dfreight org - Mar 30 2022

web jul 31 2023 supply chain network design refers to the strategic process of configuring and reconfiguring a company s supply chain network to achieve specific objectives efficiently it involves making critical decisions regarding the location and capacity of facilities distribution centers warehouses transportation routes and inventory levels

supply chain design issues challenges frameworks and solutions - ${\sf Dec}\ 27\ 2021$

web a framework of supply chain design is proposed that comprehends three key levels of factors critical in understanding supply chain design influencers design decisions and building blocks influencers are higher level considerations such as the business and political environment the business model employed the firm's desired outcomes and

optimal design of supply chain network under uncertainty - Feb 09 2023

web apr 17 2017 models that aim to optimize the design of supply chain networks have gained more interest in the supply chain literature mixed integer linear programming and discrete event simulation are widely used for such an optimization problem

supply chain network design applying optimization and - Aug 15 2023

web supply chain network designwill help students academics and practitioners alike understand the importance of successfully designing and optimizing a global supply chain network while also explaining in easy to understand steps how to make it happen

supply chain network design explained gep - Dec 07 2022

web june 14 2022 supply chain strategy the supply chain network design is defined as a working model that delineates the overall framework of a supply chain to assess the time and costs required to bring goods to the market this model helps a business spot inefficiencies and potential risks in the supply chain

flexible reliable supply chain network design the essentials - Jan 08 2023

web dec 12 2022 for 2023 and beyond leaders must make their supply chain networks more flexible and responsive advises clients on a wide range of strategy operations supply chain and procurement topics in sectors including high tech retail apparel private equity banking and telecoms based in shenzhen xiaorui focuses his expertise on the

optimizing your supply chain the power of network design - Jan 28 2022

web integrating sustainability and resilience into network design allows companies to optimize their supply chains while building robust and sustainable systems capable of weathering disruptions and contributing to long term success supply chain network design and optimization striking the right balance

a manager s guide to getting started with supply chain network design - Jul 14 2023

web the goal of supply chain network design is to evaluate your supply chain and identify where you can make improvements or optimize for cost avoidance your supply chain network and needs are as unique as your business some variables and constraints can be changed to enhance your network design and some can t

supply chain network design mastering the art - Feb 26 2022

web jun 11 2023 businesses may build an effective and efficient supply chain network by understanding the many components of the supply chain considering the various elements that influence supply chain architecture what is supply chain network design why is it important - Jul 02 2022

web jul 22 2021 supply chain network design optimizes a company s supply chain structure and configuration to meet strategic and operational goals learn key factors for a competitive advantage and how to build the best supply chain

supply chain network design understanding the opt copy - Mar 10 2023

web creating supply chain networks examines the risks faced by modern supply chains and shows how to develop plausible future scenarios to evaluate potential scn designs the design methods

optilogic what is supply chain network design - Aug 03 2022

web may 5 2023 supply chain network design is modeling the future state versus the as is state it s an ongoing process to evaluate the end to end supply chain to make data driven decisions using advanced analytics and human knowledge balancing cost

a review on sustainable supply chain network design dimensions - Apr 11 2023

web jan 1 2022 supply chain network design consists of two levels of decisions first level decisions focus on determining the configuration of network by optimizing the number of facilities and selecting the best network locations these decisions are very expensive to be changed as are taken at strategic level 94

supply chain network design understanding the opt copy - Jun 01 2022

web this edited book describes new trends in supply chain design and management with an emphasis on technologies and methodologies it contains guidelines detailing the real world applications of these

supply chain network design and optimization envista - Oct 05 2022

web supply chain network optimization allows companies to step out of the mire of day to day operations and examine their end to end supply chain and processes from a more analytical perspective this has many benefits including lowered costs the supply chain network optimization process looks at every step of an organization s supply chain

understanding supply chain network design everstream ai - Jun 13 2023

web supply chain network design is most successful when you bring disparate pieces of data together to formulate a complete view of your supply chain through modeling and what if scenarios leaders can manipulate the data to see every possible option before deciding on a plan how to design your supply chain network

supply chain network design cips - May 12 2023

web aug 24 2023 a supply chain network consists of five fundamental components strategy having a strategy will drive your supply chain design based on business goals objectives market needs and expectations make sure to include the development and management of business processes performance targets organisation structures and information

what is supply chain network design and how does it work - Sep $04\ 2022$

web supply chain network design is the process of building and modeling a supply chain to better understand the costs and time associated with bringing goods to market with the resources and locations available a multi objective optimization model for designing resilient supply - Nov 06 2022

web oct 1 2018 in this paper we present a multi objective optimization based network design methodology to help supply chain architects improve the effectiveness of their supply chain networks our methodology effectively evaluates the trade off between two conflicting objective functions of interest minimizing total supply chain costs and maximizing oral cancer causes symptoms treatment cleveland clinic - Jul 20 2023

web jan 27 2022 oral cancer mouth cancer is the broad term for cancer that affects the inside of your mouth oral cancer can look like a common problem with your lips or in your mouth like white patches or sores that bleed the difference between a common problem and potential cancer is these changes don't go away

mouth cancer diagnosis and treatment mayo clinic - May 18 2023

web oct 26 2022 oncologist katharine price m d answers common questions about mouth cancer which is also called oral cancer ask mayo clinic oral cancer from an accredited us hospital show transcript tests and procedures used to **oral cancer information mouth cancer information** - Apr 17 2023

web oral cancer information mouth cancer information american cancer society here find oral cancer mouth cancer and oropharyngeal middle throat cancer information on things like risk factors symptoms how they re found and treated **oral cancer symptoms causes diagnosis treatment coping** - Jan 14 2023

web jun 23 2021 oral cancer is a type of head and neck cancer that develops when abnormal cells within the lining of the cheeks gums roof of the mouth tongue or lips grow uncontrollably oftentimes oropharyngeal cancer that affects the soft palate side and back walls of the throat back third of the tongue and the tonsils is lumped under this oral cancer symptoms causes treatments and more webmd - Sep 22 2023

web oral cancer appears as a growth or sore in the mouth that does not go away about 50 000 people in the u s get oral cancer each year 70 of them men oral cancer includes cancers of the mouth cancer symptoms and causes mayo clinic - Oct 23 2023

web oct 26 2022 cancer that occurs on the inside of the mouth is sometimes called oral cancer or oral cavity cancer mouth cancer is one of several types of cancers grouped in a category called head and neck cancers mouth cancer and other head and neck cancers are often treated similarly products services a book mayo clinic family health

oral cancer national institute of dental and craniofacial research - Mar 16 2023

web overview oral cancer includes cancers of the mouth and the back of the throat oral cancers develop on the tongue on the tissue lining the mouth and gums under the tongue at the base of the tongue and the area of the throat at the back of the mouth

oral cancer signs symptoms and complications verywell health - Feb 15 2023 web may 17 2023 by lisa fayed updated on may 17 2023 medically reviewed by william truswell md table of contents

Section 5 Plant Hormones And Responses Study Guide B

frequent symptoms rare symptoms complications when to see a healthcare provider a number of symptoms can be associated with oral cancer including mouth throat ear and jaw pain

oral cancer wikipedia - Aug 21 2023

web oral cancer also known as mouth cancer is a cancer of the lining of the lips mouth or upper throat 6 in the mouth it most commonly starts as a painless white patch that thickens develops red patches an ulcer and continues to grow

oral cancers singhealth - Jun 19 2023

web what are the symptoms of oral cancers patients usually present with non healing ulcers of more than 3 weeks despite medication other complaints include persistent presence of blood in saliva lump nodule with contact bleeding numbness of chin or lower lip pain upon eating swallowing persistent earache