

AP Bio - Chapter 20 Reading Guide - Viruses, Bacteria, and Archaea

1. What were the first 2 groups of organisms in the Earth's seas?
Bacteria and archaea
2. What did researchers discover about the effect of SIV on chimpanzees?
It reduces fitness and chimpanzees died earlier
3. How is it believed that SIV entered a human being and mutated into HIV?
4. Define pathogen.
Disease causing agent
5. Define virus.
An obligate intracellular parasite
6. Why are viruses considered nonliving?
It does not have ribosomes or metabolic machinery and it cannot make ATP
7. Describe the major structural components all viruses share.
A viral genome enclosed within a protein coat, or capsid
8. What is a bacteriophage?
Viruses that infect bacteria
9. How is a naked virus different from an enveloped virus?
Naked viruses are non enveloped viruses and an enveloped virus are closed within an envelope
10. What is a viroid and how does it harm plants?
Small RNAs that cause disease in many commercially valuable plants. They harm plants by interfering with normal gene expression in plant cells.
11. List and describe the 5 steps in most viral replication cycles.
A.attachment: proteins on viral particle chemically recognize and lock onto specific receptors at the host cell surface

Chapter 20 Reading Guide Answers

Arturo Cuomo



Chapter 20 Reading Guide Answers:

Enjoying the Tune of Term: An Mental Symphony within **Chapter 20 Reading Guide Answers**

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Table of Contents Chapter 20 Reading Guide Answers

1. Understanding the eBook Chapter 20 Reading Guide Answers
 - The Rise of Digital Reading Chapter 20 Reading Guide Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Chapter 20 Reading Guide Answers
 - 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 Chapter 20 Reading Guide Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Chapter 20 Reading Guide Answers
 - Personalized Recommendations

- Chapter 20 Reading Guide Answers User Reviews and Ratings
- Chapter 20 Reading Guide Answers and Bestseller Lists
- 5. Accessing Chapter 20 Reading Guide Answers Free and Paid eBooks
 - Chapter 20 Reading Guide Answers Public Domain eBooks
 - Chapter 20 Reading Guide Answers eBook Subscription Services
 - Chapter 20 Reading Guide Answers Budget-Friendly Options
- 6. Navigating Chapter 20 Reading Guide Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Chapter 20 Reading Guide Answers Compatibility with Devices
 - Chapter 20 Reading Guide Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Chapter 20 Reading Guide Answers
 - Highlighting and Note-Taking Chapter 20 Reading Guide Answers
 - Interactive Elements Chapter 20 Reading Guide Answers
- 8. Staying Engaged with Chapter 20 Reading Guide Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Chapter 20 Reading Guide Answers
- 9. Balancing eBooks and Physical Books Chapter 20 Reading Guide Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Chapter 20 Reading Guide Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Chapter 20 Reading Guide Answers
 - Setting Reading Goals Chapter 20 Reading Guide Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Chapter 20 Reading Guide Answers
 - Fact-Checking eBook Content of Chapter 20 Reading Guide Answers

- 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

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