

## AP Bio Chapter 16-20 Practice test

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. In his transformation experiments, what did Griffith observe?
- Mutant mice were resistant to bacterial infections.
  - Mixing a heat-killed pathogenic strain of bacteria with a living nonpathogenic strain can convert some of the living cells into the pathogenic form.
  - Mixing a heat-killed nonpathogenic strain of bacteria with a living pathogenic strain makes the pathogenic strain nonpathogenic.
  - Infecting mice with nonpathogenic strains of bacteria makes them resistant to pathogenic strains.
  - Mice infected with a pathogenic strain of bacteria can spread the infection to other mice.
- \_\_\_\_\_ 2. What does transformation involve in bacteria?
- the creation of a strand of DNA from an RNA molecule
  - the creation of a strand of RNA from a DNA molecule
  - the infection of cells by a phage DNA molecule
  - the type of semiconservative replication shown by DNA
  - assimilation of external DNA into a cell
- \_\_\_\_\_ 3. The following scientists made significant contributions to our understanding of the structure and function of DNA. Place the scientists' names in the correct chronological order, starting with the first scientist(s) to make a contribution.
- Avery, McCarty, and MacLeod
  - Griffith
  - Hershey and Chase
  - Meselson and Stahl
  - Watson and Crick
- V, IV, II, I, III
  - II, I, III, V, IV
  - I, II, III, V, IV
  - I, II, V, IV, III
  - II, III, IV, V, I
- \_\_\_\_\_ 4. Cytosine makes up 38% of the nucleotides in a sample of DNA from an organism. Approximately what percentage of the nucleotides in this sample will be thymine?
- 12
  - 24
  - 31
  - 38
  - It cannot be determined from the information provided.
- \_\_\_\_\_ 5. Chargaff's analysis of the relative base composition of DNA was significant because he was able to show that

# Chapter 20 Ap Biology

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## **Chapter 20 Ap Biology:**

This book delves into Chapter 20 Ap Biology. Chapter 20 Ap Biology is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Chapter 20 Ap Biology, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Chapter 20 Ap Biology
- Chapter 2: Essential Elements of Chapter 20 Ap Biology
- Chapter 3: Chapter 20 Ap Biology in Everyday Life
- Chapter 4: Chapter 20 Ap Biology in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Chapter 20 Ap Biology. The first chapter will explore what Chapter 20 Ap Biology is, why Chapter 20 Ap Biology is vital, and how to effectively learn about Chapter 20 Ap Biology.

3. In chapter 2, this book will delve into the foundational concepts of Chapter 20 Ap Biology. The second chapter will elucidate the essential principles that must be understood to grasp Chapter 20 Ap Biology in its entirety.

4. In chapter 3, this book will examine the practical applications of Chapter 20 Ap Biology in daily life. This chapter will showcase real-world examples of how Chapter 20 Ap Biology can be effectively utilized in everyday scenarios.

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6. In chapter 5, the author will draw a conclusion about Chapter 20 Ap Biology. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Chapter 20 Ap Biology.

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