

**Name** \_\_\_\_\_

**Pd** \_\_\_\_\_

**Date** \_\_\_\_\_

**Honors Biology**

**Mr. Thompson**

### **History of DNA**

1. Early scientists believed that \_\_\_\_\_ was the genetic material of the cell because it was more complex than DNA.
2. Proteins are made of 20 different \_\_\_\_\_.
3. Long chains of amino acids make up \_\_\_\_\_.
4. Fred Griffith worked with what type of bacteria?
5. What did he find to be true after his experiments with the S and R strains of bacteria?
6. This process of picking up DNA from the environment is called \_\_\_\_\_.
7. Did Griffith's experiment prove DNA was the genetic material?
8. What 2 main things make up chromosomes?
9. What did Hershey and Chase use in their experiments to prove DNA was the cell's genetic material?
10. Hershey and Chase radioactively tagged the viral DNA with \_\_\_\_\_ and the protein capsid with \_\_\_\_\_.
11. Which radioactive substance was injected into and took over the host cell's DNA?
12. Why didn't radioactive sulfur enter the bacterial cell?
13. What scientists showed the amount of the 4 nitrogen bases present in DNA?
14. What bases are complementary (pair with each other) on DNA?
15. What type of bonds join base pairs on DNA?
16. Are these strong or weak bonds?
17. What was Rosalind Franklin's contribution to finding DNA's structure?

# Holtzclaw Ap Biology 48 Guide

**Rachel Sandford**



## **Holtzclaw Ap Biology 48 Guide:**

This book delves into Holtzclaw Ap Biology 48 Guide. Holtzclaw Ap Biology 48 Guide is a vital topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Holtzclaw Ap Biology 48 Guide, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Holtzclaw Ap Biology 48 Guide
    - Chapter 2: Essential Elements of Holtzclaw Ap Biology 48 Guide
    - Chapter 3: Holtzclaw Ap Biology 48 Guide in Everyday Life
    - Chapter 4: Holtzclaw Ap Biology 48 Guide in Specific Contexts
    - Chapter 5: Conclusion
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  5. In chapter 4, the author will scrutinize the relevance of Holtzclaw Ap Biology 48 Guide in specific contexts. The fourth chapter will explore how Holtzclaw Ap Biology 48 Guide is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Holtzclaw Ap Biology 48 Guide. The final chapter will summarize the key points that have been discussed throughout the book.
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