
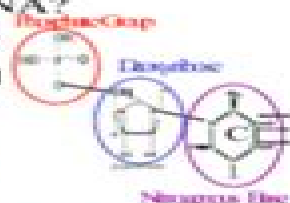






# DNA & RNA Benchmark Study Guide Page1

<p>There are 24 Final-like questions (purple, <u>Italicized</u> and <u>underlined</u>), and 6 most missed questions (circled, yellow, <u>Italicized</u> and <u>underlined</u>)</p>	<h2>DNA &amp; RNA Benchmark Review</h2>	<h2>5A DNA Structure</h2>
<p>1. (5A) The following molecule is a/an?</p> <p>A. Amino Acid</p> <p>B. Carbohydrate</p> <p><u>C. DNA</u></p> <p>D. RNA</p> 	<p>2. (5A) The following is a monomer of DNA?</p> <p>A. Amino Acid</p> <p>B. Hydrogen bond</p> <p>C. Protein</p> <p><u>D. Nucleotide</u></p> 	<p>3. (5A) The four bases in DNA are</p> <p><u>A. Adenine, thymine, guanine &amp; cytosine</u></p> <p>B. Adenine, uracil, guanine &amp; cytosine</p> <p>C. Deoxyribose, uracil, thymine &amp; Adenine</p> <p>D. Ribose, uracil, thymine &amp; Adenine</p>
<p><u>4. (5A) A DNA nucleotide may contain?</u></p> <p>A. Deoxyribose, uracil &amp; a phosphate group</p> <p><u>B. Deoxyribose, guanine &amp; a phosphate group</u></p> <p>C. Ribose, uracil &amp; a phosphate group</p> 	<p>5. 5A Which molecule below, represents the molecule made directly from DNA during transcription and is considered the blueprint of the genetic code?</p> <p><u>A. mRNA</u></p> <p>B. tRNA</p> <p>C. rRNA</p> <p>D. nucleotide</p> 	<p><u>6. (5A) Which of the following is found in both DNA &amp; RNA?</u></p> <p>A. phosphate group + guanine + uracil</p> <p><u>B. phosphate group + guanine + cytosine</u></p> <p>C. ribose + phosphate group + uracil</p> <p>D. deoxyribose + phosphate group + thymine</p>
<p>7. (5A) Which of the following describes the structure of DNA?</p> <p>A. Double stranded RNA molecule.</p> <p><u>B. Double helix molecule</u></p> <p>C. Double stranded RNA helix.</p> <p>D. Single stranded RNA molecule.</p>	<p><u>8. (5A) Which of the following represent the initials for the following? tRNA, rRNA and mRNA</u></p> <p>A. Transition, ribosomal &amp; messenger</p> <p>B. Transfer, reconnaissance &amp; messenger</p> <p>C. Transfer, ribosomal &amp; methionine</p> <p><u>D. Transfer, ribosomal &amp; messenger</u></p>	<p>9. (5A) How many different types of RNA are involved in protein synthesis?</p> <p>A. 1</p> <p>B. 2</p> <p><u>C. 3</u></p> <p>D. None</p> 
<p>10. (5A) DNA is a polymer consisting of units called?</p> <p>A. Dipeptides</p> <p>B. Amino Acids</p> <p>C. Carbohydrates</p> <p><u>D. Nucleotides</u></p> 	<h2>1D &amp; 5B</h2> <h2>Transcription &amp; Translation</h2>	<p><u>11. (DNA &amp; RNA 5b) What is produced during transcription?</u></p> <p><u>A. mRNA molecule</u></p> <p>C. RNA polymerase</p> <p>B. DNA</p> <p>D. proteins</p>

# Genetics Benchmark Study Guide

**Richard Hill, Matthew Dahlitz**



## **Genetics Benchmark Study Guide:**

The Top Books of the Year Genetics Benchmark Study Guide The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have captivated audiences this year. Genetics Benchmark Study Guide : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Genetics Benchmark Study Guide : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Genetics Benchmark Study Guide : Delia Owens' "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

<https://staging.conocer.cide.edu/public/detail/default.aspx/Keeping%20Warm%20A%20Sensible%20Guide%20To%20Heat%20Conservation.pdf>

## **Table of Contents Genetics Benchmark Study Guide**

1. Understanding the eBook Genetics Benchmark Study Guide
  - The Rise of Digital Reading Genetics Benchmark Study Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Genetics Benchmark Study Guide
  - 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 Genetics Benchmark Study Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Genetics Benchmark Study Guide
  - Personalized Recommendations
  - Genetics Benchmark Study Guide User Reviews and Ratings
  - Genetics Benchmark Study Guide and Bestseller Lists
5. Accessing Genetics Benchmark Study Guide Free and Paid eBooks
  - Genetics Benchmark Study Guide Public Domain eBooks
  - Genetics Benchmark Study Guide eBook Subscription Services
  - Genetics Benchmark Study Guide Budget-Friendly Options
6. Navigating Genetics Benchmark Study Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Genetics Benchmark Study Guide Compatibility with Devices
  - Genetics Benchmark Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Genetics Benchmark Study Guide
  - Highlighting and Note-Taking Genetics Benchmark Study Guide
  - Interactive Elements Genetics Benchmark Study Guide

8. Staying Engaged with Genetics Benchmark Study Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Genetics Benchmark Study Guide
9. Balancing eBooks and Physical Books Genetics Benchmark Study Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Genetics Benchmark Study Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Genetics Benchmark Study Guide
  - Setting Reading Goals Genetics Benchmark Study Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Genetics Benchmark Study Guide
  - Fact-Checking eBook Content of Genetics Benchmark Study Guide
  - 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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