

DNA and RNA Study Guide – ANSWER KEY

1. What is the structure of DNA?

DNA is a double helix model, much like a zipper on a jacket.

2. What are the four nitrogenous bases in DNA?

Adenine, Guanine, Cytosine, Thymine

3. What are the four nitrogenous bases in RNA?

Adenine, Guanine, Cytosine, Uracil

4. A single strand of DNA acts as a template for:

mRNA

5. What are the three parts of a Nucleotide?

Phosphate Group, Five Carbon Sugar, Nitrogenous Base

6. In messenger RNA, each codon specifies a particular

Amino Acid

7. Before a cell divides, it must duplicate its own DNA in a process known as...

DNA Replication

8. The genetic code in DNA depends upon the order or sequence of...

Nitrogenous Bases

9. If one strand of DNA has the nitrogenous base sequence ATCGT, the sequence of bases on the COMPLEMENTARY STRAND of DNA is...

TAGCA

10. What type of RNA is responsible for bringing amino acids to the ribosome for protein synthesis?

tRNA

11. The messenger RNA will carry the DNA's instructions out of the nucleus to the:

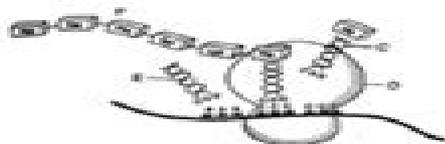
Ribosome

12. Given the following DNA strand, what would the mRNA strand be?

T A C G T T G C A

A U G C A A C G U

Use the figure below to answer the following questions:



13. What is the figure demonstrating?

Translation

14. The process by which the genetic code of DNA is copied into a strand of RNA is...

Transcription

Dna And Rna Study Answer Key

Ian Pickup



Dna And Rna Study Answer Key:

Decoding **Dna And Rna Study Answer Key**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Dna And Rna Study Answer Key**," a mesmerizing literary creation penned by a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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