CALIFORNIA BIOLOGY · CALIFORNIA

California Biology

Practice Test

Unit 3: Heredity: Inheritance and Variation

5 Questions

Original practice test based on the California curriculum. Work through each question, then check your answers at the end.

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

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Question 1

During DNA replication each original strand serves as a template, so each new DNA molecule contains

A) No original strand

B) Two new strands only

C) Two original strands

D) One original strand and one new strand

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Question 2

A DNA strand reads GCTA in order, and the complementary strand pairs A with T and G with C The complementary strand in the same order is

A) ATGC

B) CGAT

C) TAGC

D) GCTA

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Question 3

Messenger RNA is made during

A) Transcription

B) Mitosis

C) Replication

D) Translation

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Question 4

In RNA, uracil pairs with

A) Guanine

B) Thymine

C) Adenine

D) Cytosine

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Question 5

A messenger RNA codon table is given UGC codes for cysteine CAU codes for histidine The sequence

AUGUGC codes for methionine followed by

A) Phenylalanine

B) Cysteine

C) Histidine

D) Methionine

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ANSWER KEY

1. D
2. B
3. A
4. C
5. B

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