PRINCE EDWARD ISLAND BIOLOGY 12 · UNIT C · 5 QUESTIONS

Heredity and Molecular Genetics — Practice Test

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.

1 **Family portrait of parents with their two young children. Two heterozygous parents for a dominant trait have offspring. The probability of a dominant phenotype as a decimal is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **In DNA, if adenine is 25 percent of bases, thymine is this percent**

ANSWER

Understand It with Pulse | Flag a mistake

3 **A messenger RNA has 120 nucleotides. The number of codons is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A mutation is a change in**

A chromosome count only

B protein shape only

C DNA sequence

D cell size only

Understand It with Pulse | Flag a mistake

5

A pedigree traces a trait through

A a population census

B a family tree

C a food web

D a fossil record

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. 0.75
2. 25
3. 40
4. C
5. B

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