Genetic Continuity — Practice Test

Newfoundland and Labrador Biology 3201 • 10 questions

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 **The start of translation requires a start codon that codes for**

- A glycine
- B methionine
- C alanine
- D serine

Understand It with Pulse | Flag a mistake

2 **Down syndrome is usually caused by an extra copy of chromosome**

A 18

B 13

C 21

D 23

Understand It with Pulse | Flag a mistake

3 **Colour blindness is most commonly inherited as a trait on the**

A Y chromosome

B autosome 1

C mitochondrion only

D X chromosome

Understand It with Pulse | Flag a mistake

4 **Genetic engineering that inserts a useful gene into a bacterium is an example of**

A recombinant DNA technology

B selective breeding only

C natural selection

D fossil dating

Understand It with Pulse | Flag a mistake

5 **In a heterozygous cross, 200 offspring are expected. The expected number of heterozygous offspring is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A DNA sample has 2000 bases and 25 percent are adenine. The number of adenine bases is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A messenger RNA has 150 bases. The number of codons it contains is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **In a dihybrid cross of 1600 offspring, the expected number showing both recessive traits is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A population of 800 has 1 in 4 carriers. The number of carriers is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A gene has 300 base pairs. The number of single bases in the gene is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	100	**9.**	200
2.	C	**6.**	500	**10.**	600
3.	D	**7.**	50		
4.	A	**8.**	100		

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