GENE EXPRESSION, MENDELIAN GENETICS, INHERITANCE, AND GENETIC ENGINEERING - PRACTICE TEST | NEW BRUNSWICK BIOLOGY 121-122 · UNIT B · 10 QUESTIONS

Gene Expression, Mendelian Genetics, Inheritance, and Genetic Engineering — 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 **A codon table has 64 codons. The number of stop codons is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A protein has 50 amino acids. The minimum number of coding bases needed is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **RNA differs from DNA because RNA has**

A uracil instead of thymine

B thymine instead of uracil

C a double helix

D deoxyribose

Understand It with Pulse | Flag a mistake

4 **The promoter is the region where transcription**

A ends

B begins

C is spliced

D is translated

Understand It with Pulse | Flag a mistake

5 **A frameshift mutation is caused by an insertion or**

A substitution only

B crossing over

C deletion

D replication

Understand It with Pulse | Flag a mistake

6 **In a pedigree a shaded symbol usually means the person is**

A a carrier only

B male

C deceased

D affected

Understand It with Pulse | Flag a mistake

7 **Multiple alleles are seen in which human blood system**

A ABO

B Rh only

C MN only

D haemoglobin only

Understand It with Pulse | Flag a mistake

8 **Recombinant DNA technology joins DNA from**

A one cell only

B different sources

C one gene only

D one species only

Understand It with Pulse | Flag a mistake

9 **A genetically modified organism has DNA that was**

A mutated by radiation only

B selected naturally only

C altered by technology

D cloned by mitosis only

Understand It with Pulse | Flag a mistake

10 **Ethical debate about genetic engineering often concerns**

A chromosome number

B cell size

C enzyme speed

D safety and consent

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	3	**5.**	C	**9.**	C
2.	150	**6.**	D	**10.**	D
3.	A	**7.**	A		
4.	B	**8.**	B		

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