ONTARIO BIOLOGY, GRADE 11, UNIVERSITY PREPARATION (SBI3U) · UNIT C · 5 QUESTIONS

Genetic Processes — 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 **An organism has a diploid chromosome number of 48. How many chromosomes are in one of its gametes?**

ANSWER

Understand It with Pulse | Flag a mistake

2 **Five different dog breeds sits in a row. Independent assortment means that alleles for different genes**



A always stay together

B separate independently during gamete formation

C are on the same chromosome always

D never recombine

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3 **Sex linked traits are more commonly expressed in males because males have**

A two X chromosomes

B no X chromosome

C two Y chromosomes

D only one X chromosome, so a recessive allele on it is expressed

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4 **The genotype of a heterozygous organism for one gene is written as**

A AA

B aa

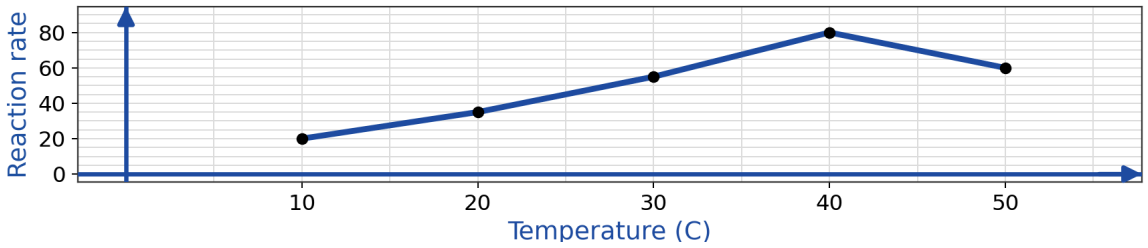
C Aa

D A

Understand It with Pulse | Flag a mistake

5

The graph shows the rate of an enzyme controlled reaction as temperature increases and then falls. At what temperature in degrees Celsius is the rate highest, reading the peak of the graph?



ANSWER

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. 24
2. B
3. D
4. C
5. 40

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