ALASKA BIOLOGY · UNIT 2 · 5 QUESTIONS

Genetics and Heredity — 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 so it can be fixed.

1 **Genes are carried on a DNA double helix. Genes that lie close together on the same chromosome are usually inherited**



A Together

B Independently

C Only in males

D Only in females

Understand It with Pulse | Flag a mistake

2 **In a Punnett square the symbols placed along the top edge and the left edge stand for**

A Offspring phenotypes

B Parent gametes

C Enzyme names

D Chromosome numbers

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3 **Sister chromatids separate from each other during**

A Anaphase I

B Prophase I

C Anaphase II

D Interphase

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4 **A person who carries one recessive allele for a disorder but does not show it is called a**

- A Homozygote
- B Mutant
- C Diploid
- D Carrier

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5 **A mutation in a gamete can be passed to offspring while a mutation in most body cells cannot because only gametes**

- A Contribute DNA to the next generation
- B Divide by mitosis
- C Contain proteins
- D Contain mitochondria

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ANSWER KEY

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

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