CONNECTICUT 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 to let Brett know so he can fix it.

1 **Which statement about Phenotype is correct**

- A having two identical alleles for a gene
- B the observable traits of an organism
- C having two different alleles for a gene
- D a diagram predicting offspring genotypes

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2 **Which statement about Homozygous is correct**

- A having two different alleles for a gene
- B a diagram predicting offspring genotypes
- C having two identical alleles for a gene
- D cell division producing gametes with half the chromosomes

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3 **Which statement about Heterozygous is correct**

A a diagram predicting offspring genotypes

B cell division producing gametes with half the chromosomes

C cell division producing two identical daughter cells

D having two different alleles for a gene

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4 **Which statement about Punnett square is correct**

A a diagram predicting offspring genotypes

B cell division producing gametes with half the chromosomes

C cell division producing two identical daughter cells

D a change in a DNA sequence

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5 **Which statement about Meiosis is correct**

A cell division producing two identical daughter cells

B cell division producing gametes with half the chromosomes

C a change in a DNA sequence

D a structure of coiled DNA and protein

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ANSWER KEY

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

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