DELAWARE BIOLOGY · UNIT 2 · 5 QUESTIONS

Genetics and Heredity — Practice Test

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1 **Which of the following is an example of meiosis?**

- A a recipe for one protein
- B division that makes sex cells
- C the brown eye version of an eye color gene
- D an allele that masks a recessive allele

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2 **Which statement best describes meiosis?**

- A genes are units of heredity carried on chromosomes
- B an organism inherits one allele from each parent for each gene
- C meiosis produces genetically varied haploid cells
- D a dominant allele shows its trait in a heterozygote

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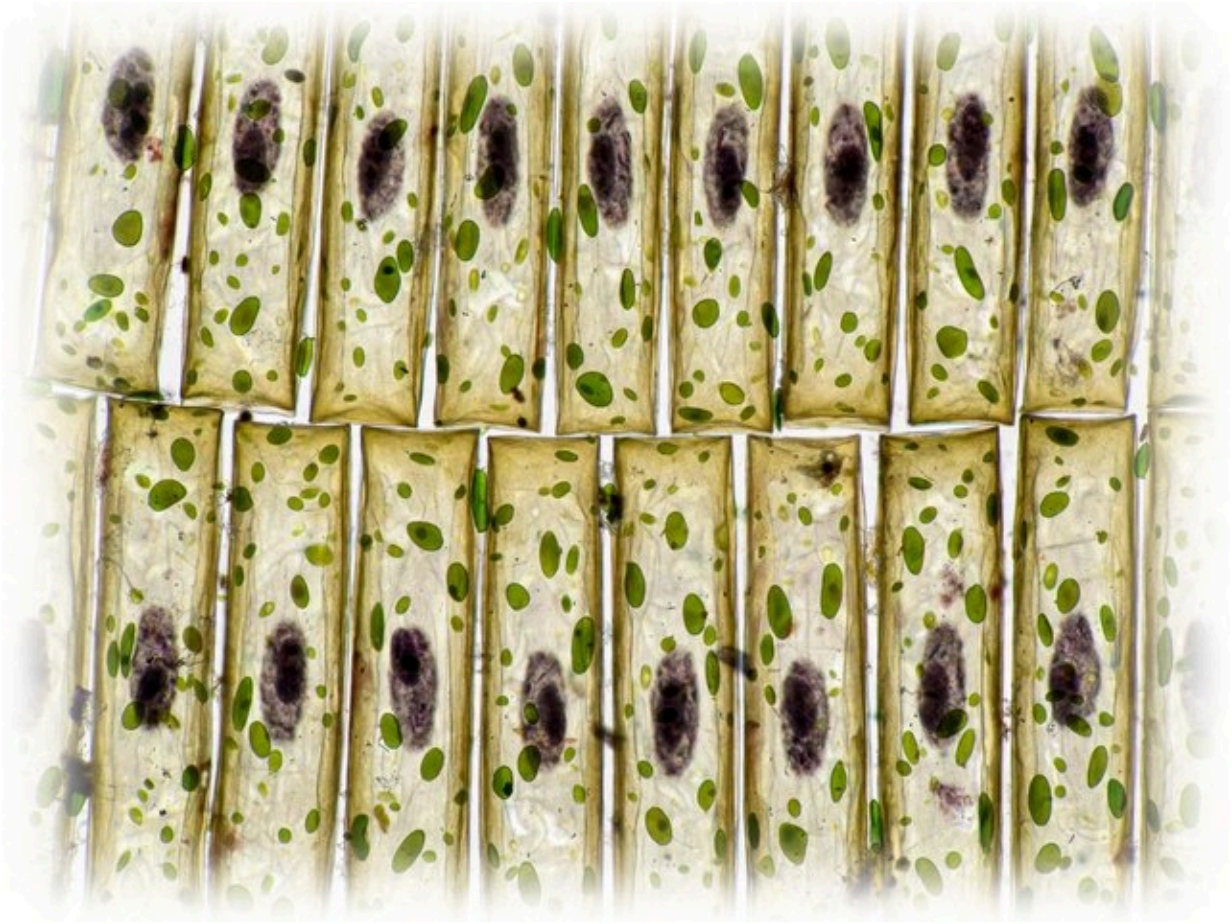
3 **Plant cells under a microscope, rectangular cells in rows with green chloroplasts and dark nuclei. Which term is defined as follows: cell division that produces two genetically identical cells?**



A gene

B mitosis

C allele

D dominant allele

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4 **Which of the following is an example of mitosis?**

- A a recipe for one protein
- B the brown eye version of an eye color gene
- C division for growth and repair
- D an allele that masks a recessive allele

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5 **Which statement best describes mitosis?**

- A genes are units of heredity carried on chromosomes
- B an organism inherits one allele from each parent for each gene
- C a dominant allele shows its trait in a heterozygote
- D mitosis keeps the chromosome number the same

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ANSWER KEY

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

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