ENGLAND GCSE BIOLOGY EDEXCEL FOUNDATION · UNIT 3 · 10 QUESTIONS

Genetics — 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 **A brown dog is vaccinated. What does the vaccine contain?**

- A white blood cells
- B a live dangerous pathogen that causes disease
- C an antibiotic
- D a dead or weakened pathogen

Understand It with Pulse | Flag a mistake

2 **A honeybee collects nectar. What is nectar?**

- A a protein-rich food
- B a mineral solution
- C a sugary liquid
- D a fatty substance

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3 **Which base pairs with adenine in DNA?**

A uracil

B guanine

C thymine

D cytosine

Understand It with Pulse | Flag a mistake

4 **What is meiosis?**

A cell division that makes gametes

B the fusion of two gametes

C cell division that makes body cells

D the copying of DNA

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5 **A peach tree flowers in spring. What do bees carry between flowers?**

- A water
- B leaves
- C pollen
- D seeds

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6 **Where does mRNA go after it is made?**

- A out of the nucleus
- B back into the chromosome it came from
- C into the mitochondria to release energy
- D into the cell membrane to leave the cell

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7 **A forest provides a habitat. What does habitat mean?**

A how an organism breeds

B when an organism sleeps

C what an organism eats

D where an organism lives

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8 **In a DNA sample, 20 percent of the bases are adenine. What percent are thymine?**

A 10%

B 30%

C 80%

D 20%

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9 **How many chromosomes does a human body cell have?**

A 23

B 46

C 92

D 12

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10 **How is sex determined in humans?**

A XY is female, XX is male

B XX is male, XY is female

C the mother decides the sex

D XX is female, XY is male

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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