ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · 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 honeybee collects nectar. What is nectar?**

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

Understand It with Pulse | Flag a mistake

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

- A when an organism sleeps
- B where an organism lives
- C how an organism breeds
- D what an organism eats

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3 **What causes Huntington disease?**

A a recessive allele that acts at birth

B a viral infection of the brain

C a missing chromosome

D a dominant allele acting late

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4 **What does a gene control?**

A the number of chromosomes

B the rate of cell division

C the order of amino acids

D the size of the cell

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5 **Two heterozygous parents have a child. What is the probability the child is homozygous recessive?**

- A 75%
- B 0%
- C 50%
- D 25%

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6 **Two pea plants with genotype Bb are crossed. What fraction of the offspring will show the recessive trait?**

- A 3/4
- B 1/4
- C 1/2
- D 1

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7 **Rabbits with white fur survive better in snow. What is this an example of?**

A artificial selection

B natural selection

C mutation

D extinction

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

A a live dangerous pathogen that causes disease

B white blood cells

C a dead or weakened pathogen

D an antibiotic

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9 **A couple have three children, all girls. What is the chance their next child is a girl?**

- A 3/4
- B 1/4
- C 1/8
- D 1/2

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10 **Horses have different coat colours. What causes the differences?**

- A different diets
- B different alleles
- C different species
- D different habitats

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ANSWER KEY

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

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