ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 5 · 10 QUESTIONS

Genes, Inheritance and Selection — 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 **Horses have different coat colours. What causes the differences?**

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

Understand It with Pulse | Flag a mistake

2 **Rabbits breed quickly. What does this mean for the population?**

A it can grow fast

B it never changes

C it always falls

D it always stays small

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3 **A honeybee moves pollen between flowers. What is this an example of?**

A photosynthesis

B germination

C fertilisation

D pollination

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4 **A peach contains a stone. What is inside the stone?**

- A a root
- B a flower
- C a leaf
- D a seed

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5 **Which disorder is caused by a recessive allele?**

- A polydactyly
- B Down's syndrome
- C cystic fibrosis
- D Huntington's disease

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

A 80%

B 30%

C 20%

D 10%

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7 **Where is DNA found in a cell?**

A in the mitochondria only

B in the nucleus

C in the cytoplasm

D in the cell membrane

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8 **What is a gene bank?**

A a hospital for genetic disorders

B a store of seeds or genes

C a bank that stores money

D a laboratory for cloning

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9 **What causes Huntington disease?**

A a viral infection of the brain

B a recessive allele that acts at birth

C a dominant allele acting late

D a missing chromosome

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

A 12

B 46

C 23

D 92

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ANSWER KEY

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

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