ENGLAND GCSE BIOLOGY AQA HIGHER · UNIT 6 · 10 QUESTIONS

Inheritance, Variation and Evolution — 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 **Rabbits breed quickly. What does this mean for the population?**

- A it always falls
- B it can grow fast
- C it always stays small
- D it never changes

Understand It with Pulse | Flag a mistake

2 **A forest absorbs carbon dioxide. Which process does this?**

- A respiration in the trees
- B combustion of the wood
- C photosynthesis
- D decomposition in the soil

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3 **What is the oldest method of cloning plants?**

- A embryo transplants
- B tissue culture in a laboratory
- C a new laboratory technique
- D taking cuttings

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4 **What is the genome?**

A one chromosome

B all the DNA of an organism

C all the proteins in a cell

D one gene

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

A polydactyly

B cystic fibrosis

C Down's syndrome

D Huntington's disease

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6 **One parent is heterozygous and the other is homozygous recessive. What is the probability their child is homozygous recessive?**

A 25%

B 75%

C 0%

D 50%

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7 **What does dominant mean in genetics?**

A the allele is on the X chromosome

B the allele never shows

C the allele shows even with one copy

D the allele shows only with two copies

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8 **What causes Huntington disease?**

A a viral infection of the brain

B a dominant allele acting late

C a recessive allele that acts at birth

D a missing chromosome

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

A 46

B 23

C 92

D 12

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

A 1/2

B 3/4

C 1/4

D 1/8

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ANSWER KEY

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

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