ENGLAND GCSE BIOLOGY OCR GATEWAY HIGHER · 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 **A peach is a fruit. Which part of the flower does it develop from?**

- A the petal
- B the ovary
- C the stigma
- D the anther

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

A it always falls

B it always stays small

C it never changes

D it can grow fast

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

A germination

B pollination

C fertilisation

D photosynthesis

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4 **What is a mutation?**

A a change in the number of cells

B a change in the DNA base order

C a change in the size of a cell

D a change in the number of chromosomes

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5 **How many chromosomes does a human gamete have?**

A 23

B 46

C 92

D 12

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6 **What is natural selection?**

A random extinction

B survival of the best adapted

C survival of the strongest only

D breeding by humans

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7 **What is a problem with selective breeding?**

A a smaller gene pool

B more variation in the offspring

C animals that are too healthy

D crops that grow too fast

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8 **Which disorder is caused by a dominant allele?**

A cystic fibrosis

B sickle cell anaemia

C haemophilia

D polydactyly

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9 **Who reached the same ideas as Darwin, working separately?**

A Wallace

B Mendel

C Woese

D Lamarck

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10 **What are the three domains of life?**

A Archaea, Bacteria and Eukaryota

B Animals, Plants and Fungi

C Bacteria, Viruses and Fungi

D Prokaryotes, Eukaryotes and Viruses

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ANSWER KEY

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

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