ENGLAND GCSE COMBINED SCIENCE 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 bitten by a tick. Ticks can spread disease. How is the disease spread?**

- A through water
- B by touch
- C by a vector
- D through the air

Understand It with Pulse | Flag a mistake

2 **A honeybee is an insect. How many legs does it have?**

- A 4
- B 8
- C 6
- D 10

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

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

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4 **Horses eat grass. What trophic level are horses?**

- A decomposers
- B secondary consumers
- C primary consumers
- D producers

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5 **Rabbits in a population show different fur colours. What is this called?**

A variation

B selection

C mutation

D evolution

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6 **What is the genome?**

A one gene

B all the proteins in a cell

C one chromosome

D all the DNA of an organism

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

A the allele shows only with two copies

B the allele is on the X chromosome

C the allele shows even with one copy

D the allele never shows

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

A 50%

B 25%

C 0%

D 75%

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9 **What causes polydactyly?**

A a recessive allele

B a missing chromosome

C an extra chromosome

D a dominant allele

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

A sickle cell anaemia

B polydactyly

C haemophilia

D cystic fibrosis

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ANSWER KEY

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

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