ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 4 · 10 QUESTIONS

Natural Selection and Genetic Modification — 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 vaccinated. What does the vaccine contain?**

- A a dead or weakened pathogen
- B white blood cells
- C a live dangerous pathogen that causes disease
- D an antibiotic

Understand It with Pulse | Flag a mistake

2 **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

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

A decomposition in the soil

B respiration in the trees

C photosynthesis

D combustion of the wood

Understand It with Pulse | Flag a mistake

4 **Seabirds are affected by plastic pollution. How does plastic harm them?**

A it keeps them warm

B it makes them stronger and healthier

C they eat it by mistake

D it helps them fly

Understand It with Pulse | Flag a mistake

5 **A honeybee visits a flower to collect nectar. What does it carry between flowers?**

A seeds

B water

C pollen

D leaves

Understand It with Pulse | Flag a mistake

6 **Rabbits in a meadow show variation in fur colour. What causes this variation?**

- A different alleles and the environment
- B the rabbits' diet only
- C the number of rabbits
- D natural selection only, acting over time

Understand It with Pulse | Flag a mistake

7 **What is natural selection?**

- A animals choose their own traits
- B the strongest animals kill the weakest
- C the environment changes the genes directly
- D the best adapted survive and breed

Understand It with Pulse | Flag a mistake

8 **What is a gene bank?**

A a bank that stores money

B a store of seeds or genes

C a hospital for genetic disorders

D a laboratory for cloning

Understand It with Pulse | Flag a mistake

9 **What must scientists do to make a GM crop?**

A change its genes

B spray it with chemicals every day

C water it more than other crops

D grow it in a greenhouse

Understand It with Pulse | Flag a mistake

10 **What is tissue culture?**

A growing bacteria on agar plates

B growing plants from a few cells

C growing plants from seeds

D cloning animals from adult cells

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.