ENGLAND GCSE COMBINED SCIENCE 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 **Rabbits with white fur survive better in snow. What is this an example of?**

A mutation

B artificial selection

C extinction

D natural selection

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

- A seeds
- B leaves
- C water
- D pollen

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3 **How does antibiotic resistance show evolution?**

- A antibiotics make bacteria stronger directly
- B bacteria learn to resist antibiotics
- C resistant bacteria survive and breed
- D viruses pass resistance to bacteria

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

A Animals, Plants and Fungi

B Prokaryotes, Eukaryotes and Viruses

C Archaea, Bacteria and Eukaryota

D Bacteria, Viruses and Fungi

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5 **Which bacterium is resistant to many antibiotics?**

A E. coli

B TB bacteria

C Salmonella

D MRSA

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6 **What is the correct order of classification, from largest to smallest?**

A species, genus, family, order, class, phylum, kingdom

B kingdom, class, phylum, order, genus, family, species

C phylum, kingdom, class, family, order, genus, species

D kingdom, phylum, class, order, family, genus, species

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7 **A sunflower makes glucose in its leaves. Which gas does it take in for photosynthesis?**

A nitrogen gas from the air

B hydrogen gas from the air

C carbon dioxide

D oxygen gas from the air

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8 **Eggs contain protein. Which part of the egg is mostly protein?**

A the yolk

B the air sac

C the shell

D the white

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9 **What is embryo screening?**

A testing an embryo for alleles

B choosing the sex of the baby

C cloning an embryo in a laboratory

D testing an adult for a disease

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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

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ANSWER KEY

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

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