ENGLAND GCSE BIOLOGY OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 1 · 10 QUESTIONS

You and Your Genes — 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 natural selection
- B artificial selection
- C mutation
- D extinction

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A 46
- B 12
- C 92
- D 23

Understand It with Pulse | Flag a mistake

4 **A brown dog is bitten by a tick. Ticks can spread disease. How is the disease spread?**

A by a vector

B through water

C by touch

D through the air

Understand It with Pulse | Flag a mistake

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

A 25%

B 0%

C 75%

D 50%

Understand It with Pulse | Flag a mistake

6 **How is sex determined in humans?**

- A the mother decides the sex
- B XY is female, XX is male
- C XX is male, XY is female
- D XX is female, XY is male

Understand It with Pulse | Flag a mistake

7 **Eggs can carry Salmonella bacteria. What should you do before eating eggs?**

- A wash them in cold water
- B cook them thoroughly
- C leave them in the sun
- D eat them raw

Understand It with Pulse | Flag a mistake

8 **What is a mutation?**

A a change in the number of chromosomes

B a change in the number of cells

C a change in the size of a cell

D a change in the DNA base order

Understand It with Pulse | Flag a mistake

9 **What is a clone?**

A a twin

B an organism genetically identical to another

C an organism that looks similar to another organism

D a new species

Understand It with Pulse | Flag a mistake

10 **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

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.