ENGLAND GCSE BIOLOGY EDEXCEL HIGHER · 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 peach tree flowers in spring. What do bees carry between flowers?**

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

Understand It with Pulse | Flag a mistake

2 **A honeybee collects nectar. What is nectar?**

- A a fatty substance
- B a mineral solution
- C a protein-rich food
- D a sugary liquid

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 **Two heterozygous parents have a child. What is the probability the child is homozygous recessive?**

- A 25%
- B 0%
- C 75%
- D 50%

Understand It with Pulse | Flag a mistake

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

A primary consumers

B decomposers

C producers

D secondary consumers

Understand It with Pulse | Flag a mistake

6 **What is embryo screening?**

A cloning an embryo in a laboratory

B testing an embryo for alleles

C choosing the sex of the baby

D testing an adult for a disease

Understand It with Pulse | Flag a mistake

7 **What is made from a gene during transcription?**

A a new chromosome with extra genes

B a copy called mRNA

C a copy of the whole nucleus

D a protein made of amino acids

Understand It with Pulse | Flag a mistake

8 **In a DNA sample, 25 percent of the bases are adenine. What percent are thymine?**

A 35%

B 15%

C 25%

D 75%

Understand It with Pulse | Flag a mistake

9 **A mother has blood group O and a father has blood group AB. Which blood group can their children NOT have?**

A O

B B

C AB

D A

Understand It with Pulse | Flag a mistake

10 **What does non-coding DNA do?**

A it is junk with no function at all

B it copies the whole genome

C it controls genes switching on

D it makes proteins directly

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.