ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY FOUNDATION · UNIT 4 · 10 QUESTIONS

Explaining Change — 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 artificial selection

B natural selection

C extinction

D mutation

Understand It with Pulse | Flag a mistake

2 **A sunflower grows taller over the summer. Where does most of the extra mass come from?**

- A sunlight captured by the leaves
- B carbon dioxide from the air
- C water absorbed from the soil
- D minerals absorbed from the soil

Understand It with Pulse | Flag a mistake

3 **A cup of coffee is hot. How is energy transferred to the air?**

- A by radiation only, from the surface
- B by conduction and convection
- C by evaporation only, from the top
- D by condensation on the cold cup

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

5 **A forest is cut down. What happens to the carbon stored in the trees?**

- A it is released
- B it turns to oxygen
- C it disappears
- D it is stored forever

Understand It with Pulse | Flag a mistake

6 **Two pea plants with genotype Bb are crossed. What fraction of the offspring will show the recessive trait?**

- A 1/4
- B 1
- C 3/4
- D 1/2

Understand It with Pulse | Flag a mistake

7 **What happens to the temperature during an endothermic reaction?**

- A it rises then falls
- B it falls
- C it rises
- D it stays the same

Understand It with Pulse | Flag a mistake

8 **What is a genotype?**

A the sex of an organism

B the appearance of an organism

C the number of chromosomes

D the alleles an organism has

Understand It with Pulse | Flag a mistake

9 **A castle built of limestone is damaged by acid rain. Which gas causes acid rain?**

A sulfur dioxide

B oxygen

C carbon dioxide

D nitrogen

Understand It with Pulse | Flag a mistake

10 **What is an endothermic reaction?**

A a reaction that makes light

B a reaction that stops

C a reaction that gives out heat

D a reaction that takes in heat

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.