ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 4 · 10 QUESTIONS

Using Food and Controlling Growth — 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 **Red apples are cut and left in air. Why do they turn brown?**

- A they ferment into alcohol
- B they dry out in the air
- C enzymes react with oxygen
- D they freeze in the cold

Understand It with Pulse | Flag a mistake

2 **A chocolate cake rises in the oven. What makes it rise?**

- A a gas is made
- B the flour melts
- C the sugar freezes
- D the egg evaporates

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3 **Why is equipment sterilised before growing bacteria in a culture?**

- A to feed the bacteria
- B to kill unwanted microbes
- C to make the agar set firmly in the dish
- D to warm the bacteria up

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4 **A peach tree flowers in spring. What do bees carry between flowers?**

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

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5 **A yellow school bus stops at a station. What happens to its speed?**

- A it becomes zero
- B it becomes negative
- C it increases
- D it stays the same

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6 **Which part of a cell makes proteins?**

- A the nucleus
- B the vacuole
- C the ribosome
- D the mitochondria

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7 **An enzyme reaction is fastest at 40 degrees Celsius. At 60 degrees Celsius the rate is much lower. Why?**

- A the enzyme is denatured
- B the substrate runs out
- C the enzyme works faster
- D the enzyme is digested

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8 **A single bacterium divides every 20 minutes. How many bacteria are there after 6 divisions?**

- A 128
- B 64
- C 32
- D 66

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9 **Amylase breaks starch down into which substance?**

- A amino acids
- B sugars
- C fatty acids
- D glycerol

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10 **Why are embryonic stem cells useful in medicine?**

A they can become any cell type

B they divide only once and then stop

C they carry no DNA at all

D they are already specialised

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ANSWER KEY

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

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