ENGLAND GCSE BIOLOGY EDEXCEL HIGHER · UNIT 1 · 10 QUESTIONS

# Key Concepts in Biology — 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 contain vitamin C. What is vitamin C needed for?**

- A healthy skin and gums
- B making red blood cells
- C good eyesight at night
- D strong bones and teeth

Understand It with Pulse | Flag a mistake

**2** **Potatoes are plant storage organs. What do they store?**

- A glucose
- B cellulose
- C starch
- D protein

Understand It with Pulse | Flag a mistake

3

## Why does breathing rate increase during exercise?

A to cool the blood

B to take in more carbon dioxide

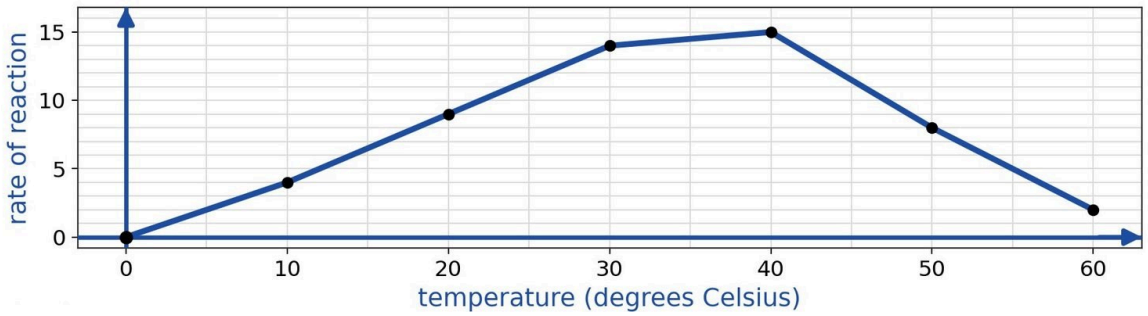
C to take in more oxygen

D to slow the heart

Understand It with Pulse

Flag a mistake

4 **The graph shows the rate of an enzyme reaction at different temperatures. At which temperature is the rate highest?**




A 30

B 20

C 60

D 40

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5 **A red blood cell in pure water will do what?**

- A shrink and shrivel
- B divide in two
- C swell and burst
- D stay the same size

Understand It with Pulse | Flag a mistake

6 **One glucose molecule releases 30 molecules of ATP in respiration. How many ATP molecules are released from 5 glucose molecules?**

- A 150
- B 120
- C 180
- D 300

Understand It with Pulse | Flag a mistake

**7** **Which test shows that a food contains starch?**

- **A** iodine turns blue-black
- **B** Benedict's turns brick red
- **C** Sudan III turns red
- **D** Biuret turns purple

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**8** **A piece of potato weighs 8 g. After soaking in pure water it weighs 9 g. What is the percentage increase in mass?**

- **A** 25%
- **B** 12.5%
- **C** 17.5%
- **D** 6.25%

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9 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 0
- B 32
- C 100
- D 10

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10 **A school lunch tray holds a meal. Why do we need food?**

- A for fun only, not for health
- B to feel full after eating
- C for energy and growth
- D to stay awake at night

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# ANSWER KEY

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

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