ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 6 · 25 QUESTIONS

Global Challenges 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 **A yellow school bus is full of children. What is its mass like?**

- A larger than when empty
- B smaller than when empty
- C zero
- D the same as when empty

Understand It with Pulse | Flag a mistake

2 **A forest provides a habitat. What does habitat mean?**

- A where an organism lives
- B when an organism sleeps
- C how an organism breeds
- D what an organism eats

Understand It with Pulse | Flag a mistake

3 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B exactly normal
- C below normal
- D impossible to tell

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

5 **A school lunch tray holds a meal with milk. Which nutrient is milk rich in?**

A vitamin C

B calcium

C iron

D fibre

Understand It with Pulse | Flag a mistake

6 **A brown dog is vaccinated. What does the vaccine contain?**

A a dead or weakened pathogen

B white blood cells

C a live dangerous pathogen that causes disease

D an antibiotic

Understand It with Pulse | Flag a mistake

7 **How does a vaccine protect a person?**

A it stops pathogens entering

B memory cells respond quickly later

C it kills all pathogens at once, straight away

D it makes the skin thicker

Understand It with Pulse | Flag a mistake

8 **Which of these is a greenhouse gas?**

A methane

B argon

C oxygen

D nitrogen

Understand It with Pulse | Flag a mistake

9 **A vaccine is given to 17 out of every 20 people in a school of 2000 pupils. How many pupils receive the vaccine?**

- A 170
- B 1717
- C 300
- D 1700

Understand It with Pulse | Flag a mistake

10 **A person is exposed to a disease on day 5. The incubation period is 7 days. On which day do symptoms start?**

- A 12
- B 11
- C 13
- D 14

Understand It with Pulse | Flag a mistake

11 **What does tobacco mosaic virus do to a plant?**

A it causes mottled leaves

B it turns the flowers red

C it makes the plant grow taller

D it stops the roots absorbing water

Understand It with Pulse | Flag a mistake

12 **Carbon dioxide is 420 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

A 400

B 420

C 4200

D 42

Understand It with Pulse | Flag a mistake

13 **Why does a second infection with the same pathogen cause a faster response?**

- A the skin is thicker after the first infection
- B memory cells act quickly
- C antibiotics are already in the blood
- D the pathogen is weaker the second time

Understand It with Pulse | Flag a mistake

14 **In a town of 1000 people, 95 percent are vaccinated. How many people is that?**

- A 950
- B 1000
- C 900
- D 1900

Understand It with Pulse | Flag a mistake

15 **Which drug was the first antibiotic?**

A aspirin

B paracetamol

C insulin

D penicillin

Understand It with Pulse | Flag a mistake

16 **Cases of a disease double every week. There are 20 cases now. How many cases will there be in 2 weeks?**

A 160

B 60

C 40

D 80

Understand It with Pulse | Flag a mistake

17 **What happens in preclinical testing?**

A the drug is sold in shops

B the drug is tested on healthy volunteers

C the drug is given to patients

D the drug is tested on cells and animals

Understand It with Pulse | Flag a mistake

18 **What does a vaccine contain?**

A a dead or weakened pathogen

B a live dangerous pathogen that causes disease

C white blood cells

D an antibiotic

Understand It with Pulse | Flag a mistake

19 **A vaccine is given to 19 out of every 20 people in a school of 2000 pupils. How many pupils receive the vaccine?**

- A 1900
- B 190
- C 1919
- D 100

Understand It with Pulse | Flag a mistake

20 **A person is exposed to a disease on day 10. The incubation period is 3 days. On which day do symptoms start?**

- A 13
- B 14
- C 12
- D 15

Understand It with Pulse | Flag a mistake

21 **Which is a physical defence of a plant?**

A a waxy cuticle

B an antimicrobial chemical

C white blood cells

D antibodies in the sap

Understand It with Pulse | Flag a mistake

22 **Carbon dioxide is 280 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

A 260

B 28

C 2800

D 280

Understand It with Pulse | Flag a mistake

23 **In a town of 1000 people, 90 percent are vaccinated. How many people is that?**

- A 1800
- B 900
- C 850
- D 950

Understand It with Pulse | Flag a mistake

24 **How is malaria spread?**

- A through dirty water
- B through coughing
- C by mosquito bites
- D through skin contact

Understand It with Pulse | Flag a mistake

25 **How can antibiotic resistance be slowed down?**

A stop taking them when you feel better

B finish the full course of antibiotics

C share antibiotics with friends

D take antibiotics for a cold

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**10.**	A	**19.**	A
2.	A	**11.**	A	**20.**	A
3.	A	**12.**	B	**21.**	A
4.	C	**13.**	B	**22.**	D
5.	B	**14.**	A	**23.**	B
6.	A	**15.**	D	**24.**	C
7.	B	**16.**	D	**25.**	B
8.	A	**17.**	D		
9.	D	**18.**	A		

© 2026 Brett Robbins. All Rights Reserved.