ENGLAND GCSE BIOLOGY OCR GATEWAY HIGHER · 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 **Eggs contain protein. Which part of the egg is mostly protein?**

- A the shell
- B the air sac
- C the yolk
- D the white

Understand It with Pulse | Flag a mistake

2 **A yellow school bus carries children to school. Which blood vessel carries blood away from the heart, like a bus leaving the station?**

- A an artery
- B a vein
- C a capillary
- D a ventricle

Understand It with Pulse | Flag a mistake

3 **A thermometer shows a child has a temperature of 39 degrees Celsius. What does a high temperature suggest?**

- A the body is too cold
- B the body is fighting an infection
- C the child is dehydrated
- D the child needs more sleep and rest tonight

Understand It with Pulse | Flag a mistake

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

- A fibre
- B iron
- C vitamin C
- D calcium

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

6 **A brown dog is bitten by a tick. Ticks can spread disease. How is the disease spread?**

- A through water
- B by touch
- C through the air
- D by a vector

Understand It with Pulse | Flag a mistake

7 **What is one effect of climate change?**

A the air getting cleaner

B less rain everywhere

C sea levels rising

D colder winters everywhere

Understand It with Pulse | Flag a mistake

8 **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

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

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

Understand It with Pulse | Flag a mistake

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

- A stop taking them when you feel better
- B share antibiotics with friends
- C take antibiotics for a cold
- D finish the full course of antibiotics

Understand It with Pulse | Flag a mistake

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

- A 28
- B 280
- C 2800
- D 260

Understand It with Pulse | Flag a mistake

12 **How is a hybridoma made?**

- A two tumour cells are joined together
- B a virus is fused with a bacterium
- C two antibodies joined together in a laboratory
- D a lymphocyte is fused with a tumour cell

Understand It with Pulse | Flag a mistake

13 **Which pathogen causes HIV?**

A a bacterium

B a protist

C a virus

D a fungus

Understand It with Pulse | Flag a mistake

14 **A vaccine is given to 17 out of every 20 people in a school of 400 pupils. How many pupils receive the vaccine?**

A 340

B 34

C 60

D 357

Understand It with Pulse | Flag a mistake

15 **A person is exposed to a disease on day 5. The incubation period is 3 days. On which day do symptoms start?**

A 7

B 8

C 10

D 9

Understand It with Pulse | Flag a mistake

16 **Which symptom suggests a plant has a disease?**

A more flowers than usual

B yellow leaves and stunted growth

C much taller stems than usual and more flowers

D darker green leaves

Understand It with Pulse | Flag a mistake

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

- A 60
- B 80
- C 160
- D 40

Understand It with Pulse | Flag a mistake

18 **Why should a course of antibiotics be finished?**

- A to save money on medicine
- B to kill all the bacteria
- C to prevent an allergic reaction
- D to stop side effects

Understand It with Pulse | Flag a mistake

19 **In a town of 1000 people, 80 percent are vaccinated. How many people is that?**

- A 800
- B 850
- C 750
- D 1600

Understand It with Pulse | Flag a mistake

20 **What does a pregnancy test detect?**

- A bacteria in the urine
- B antibodies in the blood
- C a hormone in urine
- D the sex of the baby

Understand It with Pulse | Flag a mistake

21 **A vaccine is given to 19 out of every 20 people in a school of 200 pupils. How many pupils receive the vaccine?**

- A 209
- B 19
- C 190
- D 10

Understand It with Pulse | Flag a mistake

22 **A person is exposed to a disease on day 1. The incubation period is 7 days. On which day do symptoms start?**

- A 10
- B 7
- C 8
- D 9

Understand It with Pulse | Flag a mistake

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

- A an antimicrobial chemical
- B antibodies in the sap
- C a waxy cuticle
- D white blood cells

Understand It with Pulse | Flag a mistake

24 **Cases of a disease double every week. There are 10 cases now. How many cases will there be in 2 weeks?**

- A 80
- B 40
- C 20
- D 30

Understand It with Pulse | Flag a mistake

25

What happens in preclinical testing?

A the drug is given to patients

B the drug is sold in shops

C the drug is tested on cells and animals

D the drug is tested on healthy volunteers

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.