ENGLAND GCSE BIOLOGY 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 brown dog is bitten by a tick. Ticks can spread disease. How is the disease spread?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

3 **A forest absorbs carbon dioxide. Which process does this?**

- A photosynthesis
- B combustion of the wood
- C decomposition in the soil
- D respiration in the trees

Understand It with Pulse | Flag a mistake

4 **Eggs are produced by hens. What is the female reproductive cell called?**

- A an embryo
- B a zygote
- C a sperm cell
- D an egg cell

Understand It with Pulse | Flag a mistake

5 **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

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

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

Understand It with Pulse | Flag a mistake

7 **Which gas causes acid rain?**

A oxygen

B sulfur dioxide

C nitrogen

D carbon dioxide

Understand It with Pulse | Flag a mistake

8 **Which disease is now prevented by the MMR vaccine?**

A tuberculosis

B malaria

C athlete's foot

D measles

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 300
- B 1700
- C 170
- D 1717

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

A paracetamol

B penicillin

C aspirin

D insulin

Understand It with Pulse | Flag a mistake

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

A 160

B 40

C 80

D 60

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

14 **How can a plant disease be identified in a laboratory?**

- A by measuring the soil pH every day
- B by testing for the pathogen DNA
- C by weighing the plant
- D by counting the leaves

Understand It with Pulse | Flag a mistake

15 **How does antibiotic resistance spread in bacteria?**

A bacteria learn to avoid antibiotics

B viruses carry resistance to bacteria

C resistant bacteria survive and reproduce

D antibiotics change the bacteria genes directly

Understand It with Pulse | Flag a mistake

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

A 900

B 950

C 1000

D 1900

Understand It with Pulse | Flag a mistake

17 **Which is a physical barrier against pathogens?**

A stomach acid

B the skin

C antibodies

D white blood cells

Understand It with Pulse | Flag a mistake

18 **Which pathogen causes HIV?**

A a fungus

B a protist

C a virus

D a bacterium

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 1919
- C 190
- D 100

Understand It with Pulse | Flag a mistake

20 **Carbon dioxide is 315 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

- A 31
- B 3150
- C 315
- D 295

Understand It with Pulse | Flag a mistake

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

A 40

B 80

C 30

D 20

Understand It with Pulse | Flag a mistake

22 **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 9

C 10

D 8

Understand It with Pulse | Flag a mistake

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

A an antimicrobial chemical

B a waxy cuticle

C antibodies in the sap

D white blood cells

Understand It with Pulse | Flag a mistake

24 **What are memory cells?**

A cells that make red blood cells

B cells that remember a pathogen

C cells that digest food

D cells that store memories in the brain

Understand It with Pulse | Flag a mistake

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

A 900

B 1800

C 950

D 850

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.