ENGLAND GCSE COMBINED SCIENCE 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 **A thermometer shows a child has a temperature of 39 degrees Celsius. What does a high temperature suggest?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

3 **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 capillary
- C a ventricle
- D a vein

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

5 **A school lunch tray holds a meal with bread, cheese and an apple. Which food group is the bread from?**

- A proteins, for growth
- B vitamins, for health
- C carbohydrates
- D fats, for insulation

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

A it stops the roots absorbing water

B it makes the plant grow taller

C it causes mottled leaves

D it turns the flowers red

Understand It with Pulse | Flag a mistake

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

A 100

B 1900

C 1919

D 190

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A athlete's foot
- B malaria
- C tuberculosis
- D measles

Understand It with Pulse | Flag a mistake

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

A white blood cells

B stomach acid

C antibodies

D the skin

Understand It with Pulse | Flag a mistake

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

A 9

B 8

C 10

D 7

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

15 **What is a side effect of monoclonal antibody treatment?**

A they make the patient infertile

B they may bind to healthy cells

C they stop the immune system working

D they always cure the cancer

Understand It with Pulse | Flag a mistake

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

A the skin is thicker after the first infection

B the pathogen is weaker the second time

C memory cells act quickly

D antibiotics are already in the blood

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

18 **Which is a chemical defence of a plant?**

- A hairs on the leaves
- B a poison in the sap
- C thorns on the stem
- D bark covering the stem

Understand It with Pulse | Flag a mistake

19 **A vaccine is given to 19 out of every 20 people in a school of 400 pupils. How many pupils receive the vaccine?**

- A 38
- B 20
- C 399
- D 380

Understand It with Pulse | Flag a mistake

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

- A colder winters everywhere
- B sea levels rising
- C the air getting cleaner
- D less rain everywhere

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

22 **What is herd immunity?**

- A vaccines work on animals
- B most people are immune so disease cannot spread
- C everyone in the population catches the disease at once
- D animals protect humans

Understand It with Pulse | Flag a mistake

23 **What do white blood cells do to pathogens?**

- A carry them in the blood
- B feed them
- C make them reproduce
- D engulf and digest them

Understand It with Pulse | Flag a mistake

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

- A 17
- B 16
- C 18
- D 19

Understand It with Pulse | Flag a mistake

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

A aspirin

B paracetamol

C penicillin

D insulin

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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