ENGLAND GCSE BIOLOGY AQA FOUNDATION · UNIT 3 · 25 QUESTIONS

Infection and Response — 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 can carry Salmonella bacteria. How can food poisoning from eggs be avoided?**

- A wash the eggs in cold water
- B keep the eggs in the fridge for a week
- C eat the eggs raw
- D cook the eggs thoroughly

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

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

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3 **Red apples are cut and left in air. Why do they turn brown?**

- A they ferment into alcohol
- B enzymes react with oxygen
- C they freeze in the cold
- D they dry out in the air

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

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

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5 **A brown dog has fleas. What are fleas?**

A producers

B parasites

C prey

D predators

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6 **A peach is a fruit. Which part of the flower does it develop from?**

A the ovary

B the anther

C the stigma

D the petal

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7 **A person is exposed to a disease on day 10. The incubation period is 14 days. On which day do symptoms start?**

- A 24
- B 25
- C 23
- D 26

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

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

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9 **What is drug development?**

A testing new medicines

B selling medicines in shops

C banning medicines from use

D making new diseases in labs

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

A by measuring the soil pH every day

B by counting the leaves

C by testing for the pathogen DNA

D by weighing the plant

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11 **What is herd immunity?**

A everyone in the population catches the disease at once

B vaccines work on animals

C animals protect humans

D most people are immune so disease cannot spread

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

A 950

B 1900

C 1000

D 900

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

A penicillin

B paracetamol

C insulin

D aspirin

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

A white blood cells

B stomach acid

C the skin

D antibodies

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15 **What are memory cells?**

A cells that remember a pathogen

B cells that digest food

C cells that store memories in the brain

D cells that make red blood cells

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16 **A vaccine is given to 17 out of every 20 people in a school of 200 pupils. How many pupils receive the vaccine?**

A 30

B 187

C 17

D 170

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17 **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

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18 **Cases of a disease double every week. There are 50 cases now. How many cases will there be in 2 weeks?**

- A 100
- B 400
- C 200
- D 150

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19 **Why do antibiotics not work on viruses?**

A viruses are too small to see

B viruses are not alive at all

C viruses live inside cells

D viruses are too big to be killed

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

A it makes the plant grow taller

B it stops the roots absorbing water

C it causes mottled leaves

D it turns the flowers red

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

A malaria

B tuberculosis

C measles

D athlete's foot

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22 **How does stomach acid protect the body?**

A it blocks the nose

B it kills pathogens in food

C it digests white blood cells

D it makes antibodies

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

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

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24 **A vaccine is given to 17 out of every 20 people in a school of 1000 pupils. How many pupils receive the vaccine?**

- A 850
- B 85
- C 150
- D 867

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

A 40

B 60

C 80

D 160

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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