ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 2 · 25 QUESTIONS

Keeping Healthy — 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 vaccinated. What does the vaccine contain?**

- A an antibiotic
- B a dead or weakened pathogen
- C a live dangerous pathogen that causes disease
- D white blood cells

Understand It with Pulse | Flag a mistake

2 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it evaporates
- B it contracts
- C it freezes
- D it expands

Understand It with Pulse | Flag a mistake

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

A the same as when empty

B larger than when empty

C smaller than when empty

D zero

Understand It with Pulse | Flag a mistake

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

A the ovary

B the petal

C the anther

D the stigma

Understand It with Pulse | Flag a mistake

5 **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 to feel full after eating
- D for energy and growth

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

7 **What is cancer?**

A a blocked blood vessel

B a lack of white blood cells

C uncontrolled cell division

D a virus infecting the body

Understand It with Pulse | Flag a mistake

8 **What does a stent do?**

A lowers blood pressure

B holds an artery open

C replaces a valve

D removes a blood clot

Understand It with Pulse | Flag a mistake

9 **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 80
- D 40

Understand It with Pulse | Flag a mistake

10 **Why does a plant with a viral disease photosynthesise less?**

- A the stem stops growing
- B leaves have less chlorophyll
- C the flowers fall off first
- D the roots stop taking in water

Understand It with Pulse | Flag a mistake

11 **Why do antibiotics not work against viruses?**

- A antibiotics only work on fungi
- B viruses live inside cells
- C viruses have no DNA
- D viruses are too small to see

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12 **Why are new antibiotics needed?**

- A viruses become resistant too
- B people stop using them altogether
- C bacteria die out completely
- D bacteria become resistant

Understand It with Pulse | Flag a mistake

13 **What do antibiotics kill?**

A bacteria

B fungi

C viruses

D protists

Understand It with Pulse | Flag a mistake

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

A they may bind to healthy cells

B they always cure the cancer

C they stop the immune system working

D they make the patient infertile

Understand It with Pulse | Flag a mistake

15 **How does mucus in the nose protect the body?**

A it warms the air

B it traps pathogens

C it kills pathogens with acid

D it makes antibodies

Understand It with Pulse | Flag a mistake

16 **How is malaria spread?**

A through skin contact

B through dirty water

C by mosquito bites

D through coughing

Understand It with Pulse | Flag a mistake

17 **What does a vaccine contain?**

- A an antibiotic
- B a live dangerous pathogen that causes disease
- C white blood cells
- D a dead or weakened pathogen

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

19 **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 190

C 19

D 10

Understand It with Pulse | Flag a mistake

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

A white blood cells

B a waxy cuticle

C antibodies in the sap

D an antimicrobial chemical

Understand It with Pulse | Flag a mistake

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

A bacteria learn to avoid antibiotics

B resistant bacteria survive and reproduce

C antibiotics change the bacteria genes directly

D viruses carry resistance to bacteria

Understand It with Pulse | Flag a mistake

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

A viruses are not alive at all

B viruses are too small to see

C viruses are too big to be killed

D viruses live inside cells

Understand It with Pulse | Flag a mistake

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

A the skin

B stomach acid

C white blood cells

D antibodies

Understand It with Pulse | Flag a mistake

24 **What is herd immunity?**

A vaccines work on animals

B animals protect humans

C everyone in the population catches the disease at once

D most people are immune so disease cannot spread

Understand It with Pulse | Flag a mistake

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

A 34

B 60

C 340

D 357

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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