ENGLAND GCSE BIOLOGY OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 6 · 25 QUESTIONS

Life on Earth - Past, Present and Future — 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 honeybee is an insect. How many legs does it have?**

- **A** 8
- **B** 6
- **C** 4
- **D** 10

Understand It with Pulse | Flag a mistake

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

A decomposition in the soil

B photosynthesis

C respiration in the trees

D combustion of the wood

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3 **Rabbits in a meadow show variation in fur colour. What causes this variation?**

A the rabbits' diet only

B the number of rabbits

C natural selection only, acting over time

D different alleles and the environment

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4 **Seabirds are affected by plastic pollution. How does plastic harm them?**

A it makes them stronger and healthier

B they eat it by mistake

C it helps them fly

D it keeps them warm

Understand It with Pulse | Flag a mistake

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

A the ovary

B the anther

C the petal

D the stigma

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6 **A sunflower grows taller over the summer. Where does most of the extra mass come from?**

A minerals absorbed from the soil

B sunlight captured by the leaves

C water absorbed from the soil

D carbon dioxide from the air

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7 **Why did Woese propose the three domain system?**

A he found fossils of the first life

B he discovered the microscope

C he used genetic evidence

D he counted all the species on Earth

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8

What is carbon dioxide?

A a gas we breathe in

B a gas in fizzy drinks

C a gas from the Sun

D a greenhouse gas

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9

What did Lamarck think happened to a giraffe neck?

A the neck stretched in one generation only

B a mutation made it longer at once

C the giraffe chose to grow a longer neck

D use stretched it, then it was inherited

Understand It with Pulse | Flag a mistake

10 **Which bacterium is resistant to many antibiotics?**

A TB bacteria

B Salmonella

C MRSA

D E. coli

Understand It with Pulse | Flag a mistake

11 **What is natural selection?**

A breeding by humans

B survival of the strongest only

C random extinction

D survival of the best adapted

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

A 280

B 260

C 2800

D 28

Understand It with Pulse | Flag a mistake

13 **Why is biodiversity important?**

A it gives us more food

B it makes places much prettier to visit

C it keeps ecosystems stable

D it stops all disease

Understand It with Pulse | Flag a mistake

14 **What is evolution?**

A animals moving to new places

B animals getting bigger

C change over time

D animals learning new tricks

Understand It with Pulse | Flag a mistake

15 **What is a greenhouse gas?**

A a gas from plants

B a gas that cools air

C a gas in a greenhouse

D a gas that traps heat

Understand It with Pulse | Flag a mistake

16 **What is speciation?**

A a species changes into a fossil

B one species splits into two

C a species dies out completely

D two species join into one

Understand It with Pulse | Flag a mistake

17 **How can the spread of resistant bacteria be reduced?**

A use antibiotics for every illness

B only use antibiotics when needed

C share antibiotics

D stop washing hands

Understand It with Pulse | Flag a mistake

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

A 295

B 315

C 3150

D 31

Understand It with Pulse | Flag a mistake

19 **What is a habitat?**

A a type of animal

B a food source

C a place to hide from danger

D an organism's home

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20 **What is a fossil?**

A a type of rock

B a plant seed that grew long ago

C a living animal

D dead remains

Understand It with Pulse | Flag a mistake

21 **Why does classification change over time?**

A scientists change their minds at random

B new species are found every year

C new evidence changes the groups

D old names are too hard to spell

Understand It with Pulse | Flag a mistake

22 **How can we reduce carbon emissions?**

A cut down more trees

B renewable energy

C burn more coal

D drive more cars

Understand It with Pulse | Flag a mistake

23 **Who reached the same ideas as Darwin, working separately?**

A Wallace

B Lamarck

C Woese

D Mendel

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24 **Carbon dioxide is 420 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

A 400

B 420

C 42

D 4200

Understand It with Pulse | Flag a mistake

25 **Why are food webs important?**

A they show feeding links

B they show animal colours

C they show where animals live

D they show animal sizes

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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