ENGLAND GCSE BIOLOGY OCR TWENTY FIRST CENTURY HIGHER · 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 moves pollen between flowers. What is this an example of?**

A pollination

B photosynthesis

C germination

D fertilisation

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2 **Rabbits breed quickly. What does this mean for the population?**

A it never changes

B it always falls

C it can grow fast

D it always stays small

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

A when an organism sleeps

B where an organism lives

C what an organism eats

D how an organism breeds

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4 **Seabirds eat fish. What trophic level are the seabirds?**

A secondary consumers

B decomposers, breaking down dead matter

C producers, making their own food

D primary consumers, eating producers

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

A the anther

B the stigma

C the petal

D the ovary

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

- A sunlight captured by the leaves
- B minerals absorbed from the soil
- C water absorbed from the soil
- D carbon dioxide from the air

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7 **How does deforestation affect climate?**

- A more oxygen is made
- B more trees grow
- C the soil gets much richer over time
- D less carbon is absorbed

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8 **What is extinction?**

A animals sleep a lot

B animals hide well

C animals move away

D a species dies out

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9 **How does deforestation affect the atmosphere?**

A more carbon dioxide is absorbed

B more oxygen is made

C less carbon dioxide is absorbed

D the air gets cleaner

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

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

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11 **What is a fossil?**

- A dead remains
- B a type of rock
- C a living animal
- D a plant seed that grew long ago

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

A use antibiotics for every illness

B stop washing hands

C share antibiotics

D only use antibiotics when needed

Understand It with Pulse | Flag a mistake

13 **What is natural selection?**

A the environment changes the genes directly

B the best adapted survive and breed

C animals choose their own traits

D the strongest animals kill the weakest

Understand It with Pulse | Flag a mistake

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

A he counted all the species on Earth

B he discovered the microscope

C he found fossils of the first life

D he used genetic evidence

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15 **What is biodiversity?**

A size of a habitat

B variety of life

C number of plants

D number of animals

Understand It with Pulse | Flag a mistake

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

A 2800

B 280

C 28

D 260

Understand It with Pulse | Flag a mistake

17 **What is a mutation?**

A a new species

B a change in the DNA

C a disease

D a change in the environment

Understand It with Pulse | Flag a mistake

**18** **What is the correct order of classification, from largest to smallest?**

- A kingdom, phylum, class, order, family, genus, species
- B kingdom, class, phylum, order, genus, family, species
- C phylum, kingdom, class, family, order, genus, species
- D species, genus, family, order, class, phylum, kingdom

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**19** **What drives natural selection?**

- A animals choosing to change
- B animals eating more food
- C survival of the fittest
- D the weather changing

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20 **What are the three domains of life?**

A Bacteria, Viruses and Fungi

B Prokaryotes, Eukaryotes and Viruses

C Animals, Plants and Fungi

D Archaea, Bacteria and Eukaryota

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21 **What is the greenhouse effect?**

A heat trapped by gases

B heat from the Sun only in summer

C heat in a greenhouse

D heat from the ground

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22 **Why is biodiversity important?**

A it makes places much prettier to visit

B it gives us more food

C it stops all disease

D it keeps ecosystems stable

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

A Woese

B Wallace

C Lamarck

D Mendel

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24 **What does the fossil record show?**

A fossils are all the same age

B life changed over time

C fossils never change

D all animals lived at once

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25 **What is speciation?**

A a species changes into a fossil

B a species dies out completely

C two species join into one

D one species splits into two

Understand It with Pulse | Flag a mistake

# ANSWER KEY

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

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