ENGLAND GCSE COMBINED SCIENCE 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 collects nectar. What is nectar?**

A a sugary liquid

B a protein-rich food

C a mineral solution

D a fatty substance

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

A the rabbits' diet only

B different alleles and the environment

C natural selection only, acting over time

D the number of rabbits

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

A producers, making their own food

B secondary consumers

C primary consumers, eating producers

D decomposers, breaking down dead matter

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4 **A peach tree flowers in spring. What do bees carry between flowers?**

- A water
- B pollen
- C leaves
- D seeds

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5 **A forest is cut down. What happens to the carbon stored in the trees?**

- A it is stored forever
- B it is released
- C it disappears
- D it turns to oxygen

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6 **A sunflower makes glucose in its leaves. Which gas does it take in for photosynthesis?**

- A oxygen gas from the air
- B carbon dioxide
- C hydrogen gas from the air
- D nitrogen gas from the air

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

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

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8 **What is a greenhouse gas?**

A a gas that traps heat

B a gas that cools air

C a gas in a greenhouse

D a gas from plants

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9 **Which gas causes acid rain?**

A carbon dioxide

B nitrogen

C oxygen

D sulfur dioxide

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10 **What is a fossil?**

A a living animal

B a type of rock

C dead remains

D a plant seed that grew long ago

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11 **What is the order of the Linnaean groups, largest first?**

A a list of all living things

B species to kingdom in order

C genus to family in order

D kingdom to species in order

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

A share antibiotics

B stop washing hands

C only use antibiotics when needed

D use antibiotics for every illness

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13 **What do fossils show about life on Earth?**

A fossils show species never change

B fossils prove every species alive today

C fossils show the first life on Earth

D fossils show species changing

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14 **What is extinction?**

A animals hide well

B a species dies out

C animals move away

D animals sleep a lot

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

A 315

B 3150

C 295

D 31

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16 **Which of these is a greenhouse gas?**

A oxygen

B argon

C nitrogen

D methane

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17 **What is the greenhouse effect?**

A heat from the ground

B heat from the Sun only in summer

C heat trapped by gases

D heat in a greenhouse

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18 **What drives natural selection?**

A animals eating more food

B animals choosing to change

C the weather changing

D survival of the fittest

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19 **What is a binomial name?**

A the kingdom and phylum of the organism

B the common name of the organism

C the family and order of the organism

D genus plus species

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20 **What is natural selection?**

A animals choose their own traits

B the strongest animals kill the weakest

C the environment changes the genes directly

D the best adapted survive and breed

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21 **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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22 **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

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23 **What is climate change?**

- A a very hot summer that lasts
- B a hot summer
- C a cold winter
- D changing weather patterns

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

- A Prokaryotes, Eukaryotes and Viruses
- B Bacteria, Viruses and Fungi
- C Animals, Plants and Fungi
- D Archaea, Bacteria and Eukaryota

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25 **Why was Lamarck theory not accepted?**

- A Darwin proved him wrong in a trial
- B there was no evidence for evolution at all
- C giraffes do not have long necks
- D changes in life are not inherited

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ANSWER KEY

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

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