ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 16 · 25 QUESTIONS

# Fuels and Earth Science — 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** **Fishing boats use diesel. What is diesel made from?**

- A wood, cut from trees
- B crude oil
- C coal, mined from the ground
- D water, from the sea

Understand It with Pulse | Flag a mistake

**2** **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B exactly normal
- C below normal
- D impossible to tell

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3 **A river is polluted by fertiliser. What grows too fast in the water?**

- A fish
- B reeds
- C trees
- D algae

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4 **A cheese pizza contains cheese made from milk. What is milk rich in?**

- A fibre
- B vitamin C
- C iron
- D calcium

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5 **A chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

- A eggs
- B water
- C sugar
- D flour

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6 **A castle wall is made of stone. What type of rock is limestone?**

- A metamorphic
- B sedimentary
- C igneous
- D volcanic

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**7** **What is the monomer of poly(propene)?**

- A butene
- B propane
- C ethene
- D propene

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**8** **An alkane with 10 carbon atoms is cracked. One product is an alkene with 2 carbon atoms. How many carbon atoms does the other product have?**

- A 7
- B 9
- C 8
- D 10

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

A it disappears

B it is stored forever

C it turns to oxygen

D it is released

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10 **What happens when ethene reacts with hydrogen?**

A it makes ethane

B it makes a polymer at once

C it makes ethanol and water

D it makes carbon dioxide

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**11** **How did nitrogen build up in the atmosphere?**

- **A** plants released it by photosynthesis
- **B** volcanoes released it directly
- **C** bacteria released it from ammonia
- **D** it came from the oceans

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**12** **What is the formula of propane?**

- **A** $C_2H_6$
- **B** $C_3H_6$
- **C** $C_4H_{10}$
- **D** $C_3H_8$

Understand It with Pulse | Flag a mistake

13 **What is one effect of climate change?**

A colder winters everywhere

B the air getting cleaner

C sea levels rising

D less rain everywhere

Understand It with Pulse | Flag a mistake

14 **What is the ozone layer?**

A a layer that absorbs infrared

B a layer that absorbs visible light

C a layer that absorbs sound

D a layer that absorbs ultraviolet

Understand It with Pulse | Flag a mistake

**15** **What is poly(ethene) used for?**

- A non-stick cooking pans
- B plastic bags and bottles
- C electrical cables and wires
- D car tyres and rubber seals

Understand It with Pulse | Flag a mistake

**16** **Why does the Earth have seasons?**

- A the distance from the Sun changing
- B the Moon's orbit
- C the tilt of the Earth's axis
- D the rotation of the Earth

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17 **What is happening to the polar ice caps?**

A they are moving south

B they stay the same size

C they are melting

D they are growing

Understand It with Pulse | Flag a mistake

18 **What are alkenes used to make?**

A acids for cleaning

B polymers

C fuels for cars and lorries

D salts for cooking

Understand It with Pulse | Flag a mistake

19 **About what percentage of the air is nitrogen?**

A 0.04%

B 1%

C 21%

D 78%

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20 **Oxygen is 21 percent of the air. How much oxygen is there in 500 litres of air?**

A 105 L

B 210 L

C 95 L

D 115 L

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21 **Carbon dioxide levels rose from 320 ppm to 440 ppm. What is the increase?**

A 160 ppm

B 120 ppm

C 100 ppm

D 140 ppm

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22 **A cup of coffee is hot. How is energy transferred to the air?**

A by evaporation only, from the top

B by radiation only, from the surface

C by conduction and convection

D by condensation on the cold cup

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**23** **A sailing ship uses the wind. What type of energy is wind?**

- A potential energy
- B kinetic energy
- C chemical energy
- D thermal energy

Understand It with Pulse | Flag a mistake

**24** **Which gases are greenhouse gases?**

- A oxygen and nitrogen in the air
- B carbon dioxide and methane
- C nitrogen and argon
- D oxygen and water vapour only

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25

**A factory emits 50 tonnes of carbon dioxide per day. How much does it emit in one week?**

A 340 tonnes

B 350 tonnes

C 700 tonnes

D 360 tonnes

Understand It with Pulse

Flag a mistake

# ANSWER KEY

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

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