ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 14 · 10 QUESTIONS

Organic Chemistry — 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 sailing ship crosses the sea. What is the sea mostly made of?**

- A oil
- B fresh water
- C salt water
- D sand

Understand It with Pulse | Flag a mistake

2 **Fishing boats use diesel. What is diesel made from?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A by conduction and convection
- B by radiation only, from the surface
- C by condensation on the cold cup
- D by evaporation only, from the top

Understand It with Pulse | Flag a mistake

5 **What is the general formula for alkenes?**

- **A** C_nH_{2n+2}
- **B** C_nH_{2n}
- **C** C_nH_{2n-2}
- **D** C_nH_n

Understand It with Pulse | Flag a mistake

6 **An alkane has 7 carbon atoms. How many hydrogen atoms does one molecule have?**

- **A** 16
- **B** 14
- **C** 12
- **D** 18

Understand It with Pulse | Flag a mistake

7 **An alkane with 14 carbon atoms is cracked. One product is an alkene with 4 carbon atoms. How many carbon atoms does the other product have?**

A 9

B 12

C 11

D 10

Understand It with Pulse | Flag a mistake

8 **Which fraction is used as fuel for cars?**

A kerosene

B petrol

C diesel

D bitumen

Understand It with Pulse | Flag a mistake

9 **Which alkane has the lowest boiling point?**

A propane

B butane

C ethane

D methane

Understand It with Pulse | Flag a mistake

10 **An alkane with 8 carbon atoms is cracked. One product is an alkene with 3 carbon atoms. How many carbon atoms does the other product have?**

A 7

B 6

C 5

D 4

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. D
3. A
4. A
5. B
6. A
7. D
8. B
9. D
10. C

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