ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · 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 cup of coffee is hot. How is energy transferred to the air?**

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

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2 **A cheese pizza provides energy. Which nutrient provides most energy?**

- A vitamins
- B protein
- C fat
- D fibre

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

A kerosene

B bitumen

C petrol

D diesel

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

A C_2H_6

B C_3H_6

C C_3H_8

D C_4H_{10}

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

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

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6 **A chocolate cake is baked. Is baking a chemical change?**

- A sometimes
- B never
- C yes
- D no

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

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

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8 **An alkane with 12 carbon atoms is cracked. One product is an alkene with 3 carbon atoms. How many carbon atoms does the other product have?**

- **A** 9
- **B** 10
- **C** 8
- **D** 11

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9 **What is the general formula of the alkenes?**

- A CnH_2n-_2
- B CnH_2n+_2
- C CnH_2n
- D CnHn

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10 **An alkane with 10 carbon atoms is cracked. One product is an alkene with 4 carbon atoms. How many carbon atoms does the other product have?**

- A 5
- B 7
- C 8
- D 6

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ANSWER KEY

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

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