ENGLAND GCSE CHEMISTRY AQA HIGHER · UNIT 7 · 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 cheese pizza provides energy. Which nutrient provides most energy?**

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

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

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

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3 **What is the functional group in a carboxylic acid?**

- **A** the carboxyl group
- **B** the hydroxyl group
- **C** the carbonyl group
- **D** the amino group

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4 **What is the general formula of the alkanes?**

- **A** CnH_2n+_1
- **B** CnH_2n+_2
- **C** CnH_2n
- **D** CnH_2n-_2

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5 **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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6 **Fishing boats use diesel. What is diesel made from?**

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

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7 **An alkane has 5 carbon atoms. How many hydrogen atoms does one molecule have?**

A 14

B 8

C 12

D 10

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8 **Why are biodegradable polymers useful?**

A they conduct electricity better

B they do not pile up as waste

C they are cheaper to make always

D they are much stronger than others

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9 **Why is fermentation done at a low temperature?**

- **A** ethanol boils at a low temperature
- **B** low temperatures make more ethanol
- **C** yeast only works when it is cold
- **D** high temperatures kill the yeast

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

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

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ANSWER KEY

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

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