ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 9 · 10 QUESTIONS

Chemicals of the Natural Environment — 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 river flows to the sea. What is this part of?**

- A the nitrogen cycle
- B the water cycle
- C the rock cycle
- D the carbon cycle

Understand It with Pulse | Flag a mistake

2 **Paintbrushes apply paint to a wall. What is the paint made of?**

A a single element, nothing else

B a single compound, nothing else

C a mixture of substances

D pure water with nothing in it

Understand It with Pulse | Flag a mistake

3 **What is made at the anode when concentrated hydrochloric acid is electrolysed?**

A chlorine

B hydrogen gas from the acid

C sodium metal from the solution

D oxygen gas from the water

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4 **An alkane with 8 carbon atoms is cracked. One product is an alkene with 4 carbon atoms. How many carbon atoms does the other product have?**

- A 6
- B 3
- C 5
- D 4

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5 **What is the formula of ethene?**

- A CH_4
- B C_2H_6
- C C_3H_6
- D C_2H_4

Understand It with Pulse | Flag a mistake

6 **What is the difference between addition and condensation polymerisation?**

A condensation loses a small molecule

B addition loses a small molecule as well

C addition uses only alcohols

D condensation uses only alkenes

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7 **Which pair of metals gives the biggest voltage in a cell?**

A iron and copper in the same cell

B copper and zinc in the same cell

C zinc and iron in the same cell

D magnesium and copper

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8 **Silver coins conduct electricity well. Why?**

A they are shiny and reflective

B they are heavy

C they have free electrons

D they are cold

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

A propane

B ethane

C butane

D methane

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10 **What is an addition reaction?**

A a reaction where water is removed

B a reaction where molecules join together

C a reaction where a molecule splits apart into pieces

D a reaction where a gas is given off

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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