ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY HIGHER · UNIT 3 · 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 **Lemons taste sour. What does sour taste show?**

A an acid is present

B a metal is present

C an alkali is present

D a salt is present

Understand It with Pulse | Flag a mistake

2 **Paintbrushes are used with paint. What is paint an example of?**

A a pure substance

B an element

C a formulation

D a compound

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

A 12

B 14

C 16

D 10

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4 **Which of these is a condensation polymer?**

- A poly(ethene), an addition polymer
- B poly(propene), an addition polymer
- C poly(chloroethene), an addition polymer
- D polyester

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5 **What decides the voltage of a chemical cell?**

- A the size of the cell
- B the metals used
- C the colour of the metals
- D the temperature of the room

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

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

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7 **What is the relative formula mass of the alkane C_3H_8?**

- A 46
- B 42
- C 44
- D 56

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8 **A river provides drinking water. Why must the water be treated before drinking?**

A to heat it up for use

B to make it taste better for drinking

C to add minerals for health

D to remove harmful substances

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9 **What is the positive electrode called?**

A the cell

B the electrolyte

C the cathode

D the anode

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10 **What is the half equation for copper forming at the cathode?**

- **A** $Cu^{2+} + 2e^{-} \rightarrow Cu$
- **B** $Cu^{2+} \rightarrow Cu + 2e^{-}$
- **C** $Cu + 2e^{-} \rightarrow Cu^{2+}$
- **D** $2Cu^{2+} + 2e^{-} \rightarrow 2Cu$

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ANSWER KEY

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

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