ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY FOUNDATION · 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 **Paintbrushes are used with paint. What is paint an example of?**

- **A** a pure substance
- **B** a formulation
- **C** a compound
- **D** an element

Understand It with Pulse | Flag a mistake

2 **Lemons contain citric acid. What do acids make with metals?**

- A a salt and hydrogen
- B a salt and water, never hydrogen
- C water only, nothing else
- D a salt and oxygen gas

Understand It with Pulse | Flag a mistake

3 **Silver coins are made of the element silver. What is the chemical symbol for silver?**

- A Ag
- B Si
- C S
- D Sv

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4 **A river is polluted by fertiliser. What grows too fast in the water?**

- A fish
- B trees
- C reeds
- D algae

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5 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B below normal
- C impossible to tell
- D exactly normal

Understand It with Pulse | Flag a mistake

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

A C_3H_6

B C_2H_6

C C_4H_{10}

D C_3H_8

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7 **What forms at the anode during the electrolysis of sodium chloride solution?**

A hydrogen

B bromine

C lead

D chlorine

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8 **What conditions are used to make ethanol from ethene?**

A hydrogen and a cold catalyst

B cold water and no catalyst

C oxygen and a very high pressure

D steam and a catalyst

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

A 6

B 8

C 7

D 9

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

A the metals used

B the size of the cell

C the temperature of the room

D the colour of the metals

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ANSWER KEY

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

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