ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 9 · 5 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 contain citric acid. What is the pH of lemon juice likely to be?**

- A 14
- B 2
- C 7
- D 12

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2 **An alkane with 10 carbon atoms is cracked. One product is an alkene with 2 carbon atoms. How many carbon atoms does the other product have?**

- **A** 8
- **B** 10
- **C** 7
- **D** 9

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3 **What is the half equation for the formation of hydrogen gas?**

- **A** $H^+ + e^- \rightarrow H$
- **B** $2H \rightarrow H_2$
- **C** $2H^+ + 2e^- \rightarrow H_2$
- **D** $H_2 \rightarrow 2H^+ + 2e^-$

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4 **What do alkanes make when they burn completely?**

A carbon monoxide and water

B carbon dioxide and water

C oxygen and water

D carbon and hydrogen

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5 **A chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

A eggs

B flour

C sugar

D water

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ANSWER KEY

1. B
2. A
3. C
4. B
5. A

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