ENGLAND GCSE CHEMISTRY AQA FOUNDATION · UNIT 8 · 5 QUESTIONS

Chemical Analysis — 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 12
- B 14
- C 2
- D 7

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2 **In a chromatogram, a spot moves 3 cm and the solvent moves 10 cm. What is the Rf value?**

- A 0.6
- B 0.3
- C 0.4
- D 0.45

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3 **Why do different dyes have different Rf values?**

- A they are all the same colour
- B they have the same solubility in the solvent
- C they move at the same speed
- D they dissolve differently in the solvent

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

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

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5 **How many atoms of hydrogen are there in one molecule of water?**

A 3

B 1

C 2

D 4

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ANSWER KEY

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

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