ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 5 · 10 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 **Paintbrushes are used with paint. What is paint an example of?**

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

Understand It with Pulse | Flag a mistake

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

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

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3 **How do you test for hydrogen gas?**

A it turns limewater cloudy

B it turns damp litmus red

C it burns with a squeaky pop

D it relights a glowing splint

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

A Si

B Sv

C S

D Ag

Understand It with Pulse | Flag a mistake

5 **What is seen when sodium hydroxide is added to iron(III) chloride solution?**

- A a white precipitate forms at once
- B a green precipitate forms at once
- C a brown precipitate
- D a blue precipitate forms at once

Understand It with Pulse | Flag a mistake

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

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

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7 **How can sand be separated from water?**

A distillation

B evaporation

C filtration

D chromatography

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8 **Why is an indicator used in a titration?**

A to colour the acid

B to cool the mixture

C to show the end

D to heat the mixture

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9 **What colour flame does sodium give in a flame test?**

A yellow

B green

C lilac

D brick red

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10 **What is seen when sodium hydroxide is added to aluminium chloride solution?**

A a white precipitate

B a green precipitate forms at once

C a blue precipitate forms at once

D a brown precipitate forms at once

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ANSWER KEY

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

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