ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 11 · 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 **A river flows to the sea. What is this part of?**

- A the nitrogen cycle
- B the carbon cycle
- C the rock cycle
- D the water cycle

Understand It with Pulse | Flag a mistake

2 **Silver coins conduct electricity well. Why?**

- A they are shiny and reflective
- B they have free electrons
- C they are cold
- D they are heavy

Understand It with Pulse | Flag a mistake

3 **A sample containing copper is put in a flame. What colour is the flame?**

- A green
- B bright yellow
- C pale lilac
- D crimson red

Understand It with Pulse | Flag a mistake

4 **Paintbrushes apply paint to a wall. What is the paint made of?**

- A pure water with nothing in it
- B a mixture of substances
- C a single compound, nothing else
- D a single element, nothing else

Understand It with Pulse | Flag a mistake

5 **What is a titration used for?**

A finding a colour

B finding a concentration

C finding a temperature change

D finding a mass

Understand It with Pulse | Flag a mistake

6 **Why does chromatography work?**

A dyes are all the same

B dyes do not dissolve

C dyes move differently

D dyes are all coloured

Understand It with Pulse | Flag a mistake

7 **What is seen when sodium hydroxide is added to copper sulfate solution?**

A a brown precipitate forms at once

B a white precipitate forms at once

C a blue precipitate

D a green precipitate forms at once

Understand It with Pulse | Flag a mistake

8 **What is the test for oxygen?**

A a lighted splint pops

B bromine water turns colourless

C limewater turns cloudy

D a glowing splint relights

Understand It with Pulse | Flag a mistake

9 **Lemons taste sour. What does sour taste show?**

- A an acid is present
- B a metal is present
- C a salt is present
- D an alkali is present

Understand It with Pulse | Flag a mistake

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

- A water
- B sugar
- C flour
- D eggs

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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