ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 11 · 10 QUESTIONS

Chemical Changes — 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 **An ice cream cone is put in a freezer. What happens to the liquid?**

- A it freezes
- B it evaporates
- C it boils
- D it condenses

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

3 **A solution has a hydrogen ion concentration of 10^{-3}mol per cubic decimetre. What is its pH?**

- A 4
- B 3
- C 2
- D 5

Understand It with Pulse | Flag a mistake

4 **A chocolate cake rises in the oven. What makes it rise?**

- A the egg evaporates
- B the flour melts
- C the sugar freezes
- D a gas is made

Understand It with Pulse | Flag a mistake

5 **Paintbrushes are cleaned in water. Why does the paint wash off?**

A the paint melts in the water

B the paint freezes in the water

C the paint dissolves

D the paint burns in the water

Understand It with Pulse | Flag a mistake

6 **What gas is made at the anode when brine is electrolysed?**

A hydrogen

B nitrogen

C chlorine

D oxygen

Understand It with Pulse | Flag a mistake

7 **What forms at the anode during the electrolysis of molten lead bromide?**

A lead

B chlorine

C bromine

D hydrogen

Understand It with Pulse | Flag a mistake

8 **A cup of coffee cools down. Energy is transferred to the surroundings. What type of change is this?**

A an energy transfer

B a reversible reaction

C a neutralisation

D a chemical change

Understand It with Pulse | Flag a mistake

9 **How many moles are there in 20 g of a substance with a relative formula mass of 20 ?**

A 3

B 0.5

C 1

D 2

Understand It with Pulse | Flag a mistake

10 **A castle built of limestone is damaged by acid rain. Which gas causes acid rain?**

A sulfur dioxide

B nitrogen

C oxygen

D carbon dioxide

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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