ENGLAND GCSE CHEMISTRY OCR GATEWAY FOUNDATION · UNIT 3 · 10 QUESTIONS

Chemical Reactions — 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 cup of coffee is left for an hour. What happens to its temperature?**

- A it stays the same all day
- B it falls to zero degrees
- C it rises above room temperature
- D it falls to room temperature

Understand It with Pulse | Flag a mistake

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

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

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3 **What decides the voltage of a chemical cell?**

A the colour of the metals

B the temperature of the room

C the metals used

D the size of the cell

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4 **How many moles are there in 8 g of a substance with a relative formula mass of 16?**

A 0.5

B 1

C 0.25

D 1.5

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5 **What is the mass of 5 moles of a substance with a relative formula mass of 40?**

- A 210 g
- B 200 g
- C 400 g
- D 100 g

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

- A the paint dissolves
- B the paint melts in the water
- C the paint freezes in the water
- D the paint burns in the water

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7 **An ice cream cone melts in the Sun. What is happening to the particles in the ice cream?**

A they get smaller

B they stop moving

C they gain energy and move more

D they lose energy and slow down a lot

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8 **What forms at the cathode during the electrolysis of copper sulfate solution?**

A lead

B bromine

C copper

D hydrogen

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9 **A castle is built of limestone. What is limestone made of?**

A sodium chloride, common salt

B calcium carbonate

C magnesium oxide, a white powder

D calcium sulfate, found in plaster

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10 **In a reaction, 10 g of A reacts with 6 g of B. What mass of product is made?**

A 4 g

B 10 g

C 16 g

D 6 g

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ANSWER KEY

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

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