ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 10 · 10 QUESTIONS

Material Choices — 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 chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

A flour

B water

C sugar

D eggs

Understand It with Pulse | Flag a mistake

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

A S

B Sv

C Si

D Ag

Understand It with Pulse | Flag a mistake

3 **What does adding carbon to iron do?**

A it makes it harder

B it makes it conduct less heat

C it makes it melt more easily

D it makes it softer and weaker

Understand It with Pulse | Flag a mistake

4 **What type of bonding is in copper?**

A intermolecular forces

B ionic

C covalent

D metallic

Understand It with Pulse | Flag a mistake

5 **What is the use stage of a life cycle assessment?**

A how the product is thrown away

B how the product is used

C how the product is transported

D how the product is made

Understand It with Pulse | Flag a mistake

6 **A river flows to the sea. What is this part of?**

A the nitrogen cycle

B the carbon cycle

C the water cycle

D the rock cycle

Understand It with Pulse | Flag a mistake

7 **In which state do particles move most freely?**

A solid

B plasma

C gas

D liquid

Understand It with Pulse | Flag a mistake

8 **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

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

A a salt and oxygen gas

B a salt and water, never hydrogen

C a salt and hydrogen

D water only, nothing else

Understand It with Pulse | Flag a mistake

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

A they have the same solubility in the solvent

B they are all the same colour

C they move at the same speed

D they dissolve differently in the solvent

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.