ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY HIGHER · UNIT 4 · 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 **Paintbrushes apply paint to a wall. What is the paint made of?**

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

Understand It with Pulse | Flag a mistake

2 **A chocolate cake is baked. Is baking a chemical change?**

- A never
- B no
- C yes
- D sometimes

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A it makes it conduct less heat
- B it makes it softer and weaker
- C it makes it melt more easily
- D it makes it harder

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5 **An alloy is 50 percent copper. How much copper is in 200 kg of the alloy?**

A 100 kg

B 125 kg

C 200 kg

D 75 kg

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6 **What type of bonding is in sodium chloride?**

A intermolecular forces

B covalent

C metallic

D ionic

Understand It with Pulse | Flag a mistake

7 **In which state are the particles closest together?**

A gas

B solid

C plasma

D liquid

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8 **In a chromatogram, a spot moves 2 cm and the solvent moves 10 cm. What is the Rf value?**

A 0.3

B 0.2

C 0.35

D 0.4

Understand It with Pulse | Flag a mistake

9 **What is a nanotube?**

A a long chain of diamond crystals

B a rolled up sheet of graphene

C a tiny ball of carbon atoms

D a hollow tube made of metal

Understand It with Pulse | Flag a mistake

10 **A wooden footbridge carries people. What is the load on the bridge?**

A the wood of the bridge itself

B the wind blowing across it

C the water flowing under it

D the weight of the people

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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