ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY FOUNDATION · 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 **Silver coins conduct electricity well. Why?**

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

Understand It with Pulse | Flag a mistake

2 **Paintbrushes are used with paint. What is paint an example of?**

- A a pure substance
- B a compound
- C a formulation
- D an element

Understand It with Pulse | Flag a mistake

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

A it makes it melt more easily

B it makes it conduct less heat

C it makes it softer and weaker

D it makes it harder

Understand It with Pulse | Flag a mistake

4 **A town recycles 50 percent of its 500 tonnes of waste. How many tonnes are recycled?**

A 230 tonnes

B 300 tonnes

C 270 tonnes

D 250 tonnes

Understand It with Pulse | Flag a mistake

5 **A river provides drinking water. Why must the water be treated before drinking?**

- A to remove harmful substances
- B to add minerals for health
- C to make it taste better for drinking
- D to heat it up for use

Understand It with Pulse | Flag a mistake

6 **Which product has a bigger carbon footprint, a plastic bag or a cotton bag?**

- A a plastic bag, over its lifetime
- B neither has any footprint
- C a cotton bag, over its lifetime
- D they are exactly the same

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A metallic
- B intermolecular forces
- C covalent
- D ionic

Understand It with Pulse | Flag a mistake

9 **An alloy is 75 percent copper. How much copper is in 400 kg of the alloy?**

A 300 kg

B 275 kg

C 325 kg

D 600 kg

Understand It with Pulse | Flag a mistake

10 **In a chromatogram, a spot moves 3 cm and the solvent moves 10 cm. What is the Rf value?**

A 0.4

B 0.3

C 0.6

D 0.45

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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