ENGLAND GCSE PHYSICS OCR GATEWAY HIGHER · UNIT 1 · 5 QUESTIONS

Matter — 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 to let Brett know so he can fix it.

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

- A an energy transfer
- B a chemical change
- C a reversible reaction
- D a neutralisation

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

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

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3 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it expands
- B it freezes
- C it contracts
- D it evaporates

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4 **How much energy is needed to heat 4 kg of a substance with a specific heat capacity of 4200 J per kg per degree Celsius by 10 degrees Celsius?**

- A 336000 J
- B 84000 J
- C 16800 J
- D 168000 J

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5

An object has a mass of 20 g and a volume of 25 cubic centimetres. What is its density?

A 0.8 g/cm³

B 45 g/cm³

C 0.4 g/cm³

D 1.6 g/cm³

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ANSWER KEY

1. A
2. C
3. A
4. D
5. A

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