ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 6 · 5 QUESTIONS

Matter - Models and Explanations — 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 **An ice cream cone melts. What is the melting point of the ice cream?**

A around 100 degrees Celsius

B around 0 degrees Celsius

C around 37 degrees Celsius

D around minus 20 degrees Celsius

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2 **A material has a density of 5 g per cubic centimetre. What is the mass of 10 cubic centimetres of it?**

- A 25 g
- B 100 g
- C 15 g
- D 50 g

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3 **A block has a mass of 1000 g and a volume of 100 cubic centimetres. What is its density?**

- A 5 g/cm³
- B 20 g/cm³
- C 10 g/cm³
- D 13 g/cm³

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4 **A cup of coffee is left for an hour. What happens to its temperature?**

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

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5 **Why does a gas exert pressure on the walls of its container?**

- A gravity pulls the gas down
- B the walls push the gas
- C particles hit the walls
- D particles stick to the walls

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ANSWER KEY

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

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