ENGLAND GCSE PHYSICS AQA FOUNDATION · UNIT 3 · 5 QUESTIONS

Particle Model of Matter — Practice Test

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1 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B below normal
- C impossible to tell
- D exactly normal

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2 **Why are the results of the specific heat capacity practical not exact?**

- A the block gains mass as it heats
- B energy escapes to the room
- C the heater makes extra energy
- D the thermometer adds energy

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3 **A material has a density of 4 g per cubic centimetre. What is the mass of 10 cubic centimetres of it?**

- A 40 g
- B 20 g
- C 14 g
- D 80 g

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4 **A hot air balloon rises because the air inside it is less dense than the air outside. What happens to the density of air when it is heated?**

- A it increases
- B it stays the same
- C it decreases
- D it becomes zero

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5 **What happens to internal energy when a substance is heated?**

A it decreases

B it becomes zero

C it stays the same

D it increases

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ANSWER KEY

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

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