ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 20 · 5 QUESTIONS

Particle Model of 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 so it can be fixed.

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

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

Understand It with Pulse | Flag a mistake

2 **A hot air balloon cools down. What happens?**

- A it bursts
- B it rises faster
- C it stays still
- D it sinks

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3 **An ice cream cone melts in the Sun. What is happening to the particles in the ice cream?**

- A they gain energy and move more
- B they get smaller
- C they lose energy and slow down a lot
- D they stop moving

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4 **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 15 g
- C 50 g
- D 100 g

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5

Glass marbles in a tray are used as a model for particles in a solid. What do the marbles show?

A particles vibrate in fixed positions

B particles flow past each other easily

C particles move freely through space

D particles are far apart from each other

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ANSWER KEY

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

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