ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · 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 swimming pool holds water. Why does a person float in the pool?**

- A their density is close to water
- B the water pushes them down
- C they are made of air
- D they are heavier than water and sink

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

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

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

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4 **A material has a density of 4 g per cubic centimetre. What is the mass of 25 cubic centimetres of it?**

- A 50 g
- B 100 g
- C 200 g
- D 29 g

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5 **How much energy is needed to change 5 kg of a substance from solid to liquid, if the specific latent heat is 334000 J per kg?**

A 334005 J

B 1670000 J

C 835000 J

D 3340000 J

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ANSWER KEY

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

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