ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 28 · 5 QUESTIONS

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

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

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2 **A block has a mass of 200 g and a volume of 200 cubic centimetres. What is its density?**

- **A** 1 g/cm³
- **B** 0.5 g/cm³
- **C** 4 g/cm³
- **D** 2 g/cm³

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3 **A swimming pool is heated. What happens to the water particles?**

- A they disappear
- B they get smaller
- C they move faster
- D they stop moving

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

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

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5

A 5 kg mass of ice melts. The specific latent heat of fusion of ice is 400 J/kg. How much energy is needed?

A 2100 J

B 1000 J

C 2000 J

D 4000 J

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ANSWER KEY

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

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