ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · 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 **A swimming pool is heated. What happens to the water particles?**

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

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2 **A material has a density of 8 g per cubic centimetre. What is the mass of 10 cubic centimetres of it?**

- A 80 g
- B 18 g
- C 160 g
- D 40 g

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3 **An object has a mass of 100 g and a volume of 50 cubic centimetres. What is its density?**

- A 2 g/cm³
- B 150 g/cm³
- C 4 g/cm³
- D 1 g/cm³

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4 **Glass marbles are used to model atoms. What is a limitation of the model?**

- A marbles are the wrong colour for atoms
- B marbles are much bigger than atoms
- C marbles cannot be counted accurately at all
- D marbles are too small to see properly

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5

A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?

A 10

B 100

C 0

D 32

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ANSWER KEY

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

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