ENGLAND GCSE CHEMISTRY EDEXCEL FOUNDATION · UNIT 2 · 10 QUESTIONS

States of Matter and Mixtures — 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 filled with water. What is the density of water?**

- **A** about 10 kilograms per cubic metre
- **B** about 1 kilogram per cubic metre
- **C** about 1000 kilograms per cubic metre
- **D** about 100 kilograms per cubic metre, roughly

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

A they get smaller

B they lose energy and slow down a lot

C they gain energy and move more

D they stop moving

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3 **Paintbrushes are used with paint. What is paint an example of?**

A an element

B a compound

C a pure substance

D a formulation

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4 **What does an Rf value of 0 mean?**

A the spot moved with the solvent

B the spot dissolved completely

C the spot did not move

D the solvent did not move at all

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5 **In chromatography, what is the stationary phase?**

A the paper

B the solvent

C the spots

D the ruler

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6 **In which state can particles flow but stay close together?**

A plasma

B solid

C gas

D liquid

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

A marbles are much bigger than atoms

B marbles are the wrong colour for atoms

C marbles are too small to see properly

D marbles cannot be counted accurately at all

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8 **How many atoms of hydrogen are there in one molecule of water?**

- A 3
- B 4
- C 1
- D 2

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9 **In a chromatogram, a spot moves 6 cm and the solvent moves 8 cm. What is the Rf value?**

- A 0.9
- B 1.5
- C 0.85
- D 0.75

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10

A cup of coffee cools down. Energy is transferred to the surroundings. What type of change is this?

A a chemical change

B an energy transfer

C a reversible reaction

D a neutralisation

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ANSWER KEY

1. C
2. C
3. D
4. C
5. A
6. D
7. A
8. D
9. D
10. B

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