ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 11 · 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 **Paintbrushes are used with paint. What is paint an example of?**

- A a compound
- B a pure substance
- C an element
- D a formulation

Understand It with Pulse | Flag a mistake

2 **Lemons contain citric acid. What is the pH of lemon juice likely to be?**

A 2

B 14

C 7

D 12

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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 decreases

B it stays the same

C it increases

D it becomes zero

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4 **In a chromatogram, a spot moves 3 cm and the solvent moves 8 cm. What is the Rf value?**

- A 0.38
- B 0.53
- C 0.75
- D 0.47

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5 **A cup of coffee is left for an hour. What happens to its temperature?**

- A it rises above room temperature
- B it falls to zero degrees
- C it falls to room temperature
- D it stays the same all day

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6 **A swimming pool is filled with water. What is the density of water?**

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

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7 **An ice cream cone melts. What is the melting point of the ice cream?**

- A around 37 degrees Celsius
- B around minus 20 degrees Celsius
- C around 100 degrees Celsius
- D around 0 degrees Celsius

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

A the ruler

B the spots

C the paper

D the solvent

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

A marbles are too small to see properly

B marbles cannot be counted accurately at all

C marbles are the wrong colour for atoms

D marbles are much bigger than atoms

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

A 1

B 4

C 3

D 2

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ANSWER KEY

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

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