ENGLAND GCSE CHEMISTRY EDEXCEL HIGHER · UNIT 9 · 10 QUESTIONS

Separate Chemistry 2 — 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 cleaned in water. Why does the paint wash off?**

- A the paint freezes in the water
- B the paint burns in the water
- C the paint dissolves
- D the paint melts in the water

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2 **A forest absorbs carbon dioxide. Which process does this?**

- A combustion of the wood
- B decomposition in the soil
- C photosynthesis
- D respiration in the trees

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

A about 1000 kilograms per cubic metre

B about 10 kilograms per cubic metre

C about 1 kilogram per cubic metre

D about 100 kilograms per cubic metre, roughly

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

A a chemical change

B a neutralisation

C an energy transfer

D a reversible reaction

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5 **A chocolate cake is baked. Is baking a chemical change?**

- A never
- B sometimes
- C yes
- D no

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

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

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7 **Why are instrumental methods better than chemical tests?**

A they work on solids only

B they are cheap and need no training at all

C they need no sample at all

D they are fast, sensitive and accurate

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8 **What is the functional group in a carboxylic acid?**

A the carbonyl group

B the amino group

C the hydroxyl group

D the carboxyl group

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9 **Why is fermentation done at a low temperature?**

A ethanol boils at a low temperature

B high temperatures kill the yeast

C yeast only works when it is cold

D low temperatures make more ethanol

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10 **What is seen when sodium hydroxide is added to aluminium chloride solution?**

A a brown precipitate forms at once

B a green precipitate forms at once

C a white precipitate

D a blue precipitate forms at once

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ANSWER KEY

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

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