ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 12 · 10 QUESTIONS

Chemical Changes — 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 castle wall is made of stone. What type of rock is limestone?**

- A sedimentary
- B metamorphic
- C volcanic
- D igneous

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2 **Paintbrushes apply paint to a wall. What is the paint made of?**

- A a mixture of substances
- B pure water with nothing in it
- C a single element, nothing else
- D a single compound, nothing else

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3 **Why is extracting aluminium by electrolysis expensive?**

A it uses a lot of electricity

B the process needs very high pressure

C aluminium ore is very rare

D cryolite is hard to find

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4 **What is made when an acid reacts with a carbonate?**

A water only and nothing else at all

B a salt and hydrogen gas from the acid

C a salt, water and carbon dioxide

D a salt and oxygen gas from the air

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5 **What is made when an acid reacts with an alkali?**

A a salt and hydrogen

B hydrogen only

C a salt and oxygen

D a salt and water

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6 **What is the negative electrode called?**

A the cell

B the anode

C the cathode

D the electrolyte

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7 **How many moles are there in 20 g of a substance with a relative formula mass of 20 ?**

A 2

B 3

C 0.5

D 1

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8 **What gas is made at the positive electrode in aluminium extraction?**

A aluminium metal from the ore

B hydrogen gas from the acid used

C oxygen gas from the air around it

D carbon dioxide

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9 **Which salt is made from sulfuric acid and copper oxide?**

A copper chloride

B copper carbonate

C copper sulfate

D copper nitrate

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

A they stop moving

B they lose energy and slow down a lot

C they gain energy and move more

D they get smaller

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ANSWER KEY

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

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