ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY FOUNDATION · UNIT 5 · 10 QUESTIONS

Building Blocks for Understanding — 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 apply paint to a wall. What is the paint made of?**

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

Understand It with Pulse | Flag a mistake

2 **A chocolate cake rises in the oven. What makes it rise?**

A the sugar freezes

B the flour melts

C a gas is made

D the egg evaporates

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3 **Which of these is a simple covalent molecule?**

A CO_2

B $CaCl_2$

C MgO

D NaCl

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4 **Which group contains the halogens?**

A Group 0

B Group 1

C Group 2

D Group 7

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5 **Silver coins are made of a metal. Which property do metals have?**

A they are brittle

B they dissolve in water

C they conduct electricity

D they do not conduct electricity at all

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6 **Lemons taste sour. What does sour taste show?**

- A a salt is present
- B an acid is present
- C an alkali is present
- D a metal is present

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7 **What is the relative formula mass of water, H_2O?**

- A 18
- B 16
- C 20
- D 10

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8 **Which of these is exothermic?**

A photosynthesis

B dissolving ammonium nitrate

C melting ice

D burning a fuel

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9 **Which of these has a giant covalent structure?**

A water

B carbon dioxide

C sodium chloride

D diamond

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10 **What is the electronic structure of chlorine (atomic number 17)?**

A 2,8,6

B 2,8,8

C 2,7,8

D 2,8,7

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ANSWER KEY

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

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