ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY HIGHER · 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

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

A they get smaller

B they gain energy and move more

C they lose energy and slow down a lot

D they stop moving

Understand It with Pulse

Flag a mistake

2 **Silver coins conduct electricity well. Why?**

A they are cold

B they have free electrons

C they are shiny and reflective

D they are heavy

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3 **Lemons contain citric acid. What do acids make with metals?**

A a salt and water, never hydrogen

B a salt and oxygen gas

C a salt and hydrogen

D water only, nothing else

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4 **What happens to the temperature during an endothermic reaction?**

- A it rises
- B it falls
- C it rises then falls
- D it stays the same

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5 **Which group contains the noble gases?**

- A Group 1
- B Group 2
- C Group 7
- D Group 0

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

- A a gas is made
- B the egg evaporates
- C the sugar freezes
- D the flour melts

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7 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A above normal
- B below normal
- C exactly normal
- D impossible to tell

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8 **What is the mass of an electron compared with a proton?**

- A much larger
- B very small
- C zero
- D about the same

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9 **How many moles are there in 24 g of a substance with a relative formula mass of 20?**

- A 2.4
- B 0.6
- C 1.2
- D 3.6

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10 **Which of these is a property of transition metals?**

A they have low melting points

B they form coloured compounds

C they do not conduct electricity

D they are very soft

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ANSWER KEY

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

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