ENGLAND GCSE CHEMISTRY AQA HIGHER · UNIT 2 · 10 QUESTIONS

# Bonding, Structure, and the Properties of Matter — 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. What is the melting point of the ice cream?**

A around 37 degrees Celsius

B around 100 degrees Celsius

C around 0 degrees Celsius

D around minus 20 degrees Celsius

Understand It with Pulse | Flag a mistake

2 **Silver coins are made of the element silver. What is the chemical symbol for silver?**

- A Ag
- B Si
- C S
- D Sv

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

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

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4 **Glass marbles are shaken in a tray. What does this model?**

A particles bonding together

B particles gaining energy

C particles freezing into place

D particles disappearing completely

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5 **Paintbrushes are used with paint. What is paint an example of?**

A a compound

B a pure substance

C a formulation

D an element

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6 **What is the formula of sodium chloride?**

A $NaCl$

B $NaCl_2$

C $Na_2Cl$

D $Na_2Cl_2$

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7 **What does adding carbon to iron do?**

A it makes it conduct less heat

B it makes it melt more easily

C it makes it softer and weaker

D it makes it harder

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8 **What happens to the surface area to volume ratio as particles get smaller?**

A it increases

B it decreases to almost nothing

C it stays exactly the same

D it becomes zero for tiny particles

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9 **Which change of state is endothermic?**

A solidifying

B melting

C condensing

D freezing

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10 **How many covalent bonds does an oxygen atom form in a water molecule?**

A 1

B 3

C 4

D 2

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## ANSWER KEY

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

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