ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 12 · 10 QUESTIONS

Global Challenges in Chemistry — 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 river provides drinking water. Why must the water be treated before drinking?**

- A to make it taste better for drinking
- B to heat it up for use
- C to add minerals for health
- D to remove harmful substances

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2 **A cheese pizza is cooked in an oven. How is energy transferred in the oven?**

A by evaporation from the cheese

B by conduction only, through the tray

C by condensation on the oven walls

D by radiation and convection

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3 **A town uses 1000 litres of water per day. How much water does it use in one week?**

A 6000 L

B 7000 L

C 8000 L

D 14000 L

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4 **An alloy is 50 percent copper. How much copper is in 200 kg of the alloy?**

- A 75 kg
- B 200 kg
- C 100 kg
- D 125 kg

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5 **A factory emits 50 tonnes of carbon dioxide per day. How much does it emit in one week?**

- A 360 tonnes
- B 350 tonnes
- C 700 tonnes
- D 340 tonnes

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6 **A castle is built of limestone. What is limestone made of?**

- A calcium carbonate
- B magnesium oxide, a white powder
- C sodium chloride, common salt
- D calcium sulfate, found in plaster

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7 **What is the difference between addition and condensation polymerisation?**

- A addition loses a small molecule as well
- B condensation loses a small molecule
- C addition uses only alcohols
- D condensation uses only alkenes

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8 **A forest provides a habitat. What does habitat mean?**

- A what an organism eats
- B how an organism breeds
- C when an organism sleeps
- D where an organism lives

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9 **An alkane with 8 carbon atoms is cracked. One product is an alkene with 3 carbon atoms. How many carbon atoms does the other product have?**

- A 4
- B 7
- C 6
- D 5

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10 **What do catalytic converters change nitrogen oxides into?**

A carbon dioxide and water

B ammonia and water

C sulfur dioxide

D nitrogen and oxygen

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ANSWER KEY

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

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