ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · 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 chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

- A eggs
- B water
- C flour
- D sugar

Understand It with Pulse | Flag a mistake

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

A sodium chloride, common salt

B calcium sulfate, found in plaster

C calcium carbonate

D magnesium oxide, a white powder

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3 **What is ethanoic acid found in?**

A petrol, a fuel for cars

B lemon juice, a citrus fruit

C vinegar

D soap, a cleaning product

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4 **What conditions are used to make ethanol from ethene?**

- A hydrogen and a cold catalyst
- B oxygen and a very high pressure
- C steam and a catalyst
- D cold water and no catalyst

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5 **What is cracking?**

- A breaking long alkanes into shorter ones
- B burning alkanes in air to release energy
- C dissolving alkanes in water to clean them
- D joining short alkanes together to make longer ones

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6 **A town recycles 50 percent of its 500 tonnes of waste. How many tonnes are recycled?**

- A 230 tonnes
- B 270 tonnes
- C 300 tonnes
- D 250 tonnes

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

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

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8 **About what percentage of the air is oxygen?**

A 0.04%

B 78%

C 21%

D 1%

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9 **What is poly(ethene) used for?**

A car tyres and rubber seals

B plastic bags and bottles

C electrical cables and wires

D non-stick cooking pans

Understand It with Pulse | Flag a mistake

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

A exactly normal

B below normal

C above normal

D impossible to tell

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ANSWER KEY

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

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