ENGLAND GCSE CHEMISTRY AQA HIGHER · UNIT 9 · 10 QUESTIONS

Chemistry of the Atmosphere — 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 flows to the sea. What is this part of?**

- A the rock cycle
- B the carbon cycle
- C the water cycle
- D the nitrogen cycle

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

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

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3 **How did the oceans form?**

- A the Earth cooled and cracked open
- B water vapour condensed and fell as rain
- C ice melted at the poles long ago over time
- D rivers filled the low land

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4 **Nitrogen is 78 percent of the air. How much nitrogen is there in 100 litres of air?**

- A 78 L
- B 88 L
- C 156 L
- D 68 L

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5 **What is the carbon cycle?**

A the movement of carbon between living things and the air

B the movement of oxygen between plants and animals

C the movement of nitrogen between the soil and the air

D the movement of water between the sea, the air, the land and living things

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6 **What is the atmosphere?**

A the layer of water around the Earth, the sea

B the layer of gases around the Earth

C the layer of rock around the Earth, the crust

D the layer of ice around the Earth, the poles

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7 **Carbon dioxide levels rose from 320 ppm to 420 ppm. What is the increase?**

A 140 ppm

B 100 ppm

C 80 ppm

D 120 ppm

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8 **A sailing ship uses the wind. What type of energy is wind?**

A thermal energy

B chemical energy

C kinetic energy

D potential energy

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9

A forest absorbs carbon dioxide. Which process does this?

- A decomposition in the soil
- B combustion of the wood
- C respiration in the trees
- D photosynthesis

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10

Fishing boats use diesel. What is diesel made from?

- A wood, cut from trees
- B crude oil
- C coal, mined from the ground
- D water, from the sea

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ANSWER KEY

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

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