ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · UNIT 16 · 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 castle built of limestone is damaged by acid rain. Which gas causes acid rain?**

- A oxygen
- B nitrogen
- C carbon dioxide
- D sulfur dioxide

Understand It with Pulse | Flag a mistake

2 **A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 0
- B 32
- C 10
- D 100

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3 **Oxygen is 21 percent of the air. How much oxygen is there in 500 litres of air?**

- A 105 L
- B 115 L
- C 210 L
- D 95 L

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4 **What is the atmosphere?**

- A the layer of water around the Earth, the sea
- B the layer of ice around the Earth, the poles
- C the layer of rock around the Earth, the crust
- D the layer of gases around the Earth

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

- A thermal energy
- B potential energy
- C kinetic energy
- D chemical energy

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

- A 80 ppm
- B 140 ppm
- C 100 ppm
- D 120 ppm

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7 **Carbon dioxide is 420 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

- A 4200
- B 420
- C 42
- D 400

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8 **A forest absorbs carbon dioxide. Which process does this?**

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

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9 **A river is polluted by fertiliser. What grows too fast in the water?**

- A trees
- B reeds
- C fish
- D algae

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

- A 78%
- B 1%
- C 0.04%
- D 21%

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ANSWER KEY

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

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