ENGLAND GCSE CHEMISTRY AQA FOUNDATION · 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 **Fishing boats float on water. Why do they float?**

- A they are made of metal, which floats
- B they have sails that catch the wind
- C they displace enough water
- D they are heavy and sink slowly

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2 **A sailing ship floats. What force pushes it up?**

- A friction
- B upthrust
- C air resistance
- D gravity

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3 **What is one effect of climate change?**

A the air getting cleaner

B colder winters everywhere

C less rain everywhere

D sea levels rising

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

A 120 ppm

B 140 ppm

C 100 ppm

D 80 ppm

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5 **A castle built of limestone is damaged by acid rain. Which gas causes acid rain?**

A oxygen

B carbon dioxide

C sulfur dioxide

D nitrogen

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6 **What is the enhanced greenhouse effect?**

A cooling from extra cloud cover

B warming from the Sun getting hotter over time

C warming from volcanoes erupting

D extra warming from human activities

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

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

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8 **A factory emits 10 tonnes of carbon dioxide per day. How much does it emit in one week?**

- A 70 tonnes
- B 80 tonnes
- C 140 tonnes
- D 60 tonnes

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9 **Which pollutant comes from burning coal with sulfur in it?**

A sulfur dioxide

B nitrogen oxides

C carbon monoxide

D particulates

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10 **Carbon dioxide is 315 parts per million in the air. How many carbon dioxide molecules are there per million air molecules?**

A 295

B 3150

C 315

D 31

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ANSWER KEY

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

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