ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 7 · 10 QUESTIONS

Air and Water — 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 forest provides a habitat. What does habitat mean?**

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

Understand It with Pulse | Flag a mistake

2 **A swimming pool holds water. Why does a person float in the pool?**

- A they are heavier than water and sink
- B their density is close to water
- C the water pushes them down
- D they are made of air

Understand It with Pulse | Flag a mistake

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

A nitrogen and oxygen

B carbon dioxide and water

C ammonia and water

D sulfur dioxide

Understand It with Pulse | Flag a mistake

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

A 21%

B 78%

C 0.04%

D 1%

Understand It with Pulse | Flag a mistake

5 **How does a catalyst change a reaction profile?**

A it lowers the peak

B it lowers the products

C it raises the peak

D it raises the reactants

Understand It with Pulse | Flag a mistake

6 **What is a carbon footprint?**

A the amount of carbon stored in a footprint in the soil

B the size of a person's shoe

C the carbon in the soil

D the total carbon dioxide a person or product causes

Understand It with Pulse | Flag a mistake

7 **What is an endothermic reaction?**

A a reaction that stops

B a reaction that gives out heat

C a reaction that makes light

D a reaction that takes in heat

Understand It with Pulse | Flag a mistake

8 **In the combustion of methane, the energy needed to break the bonds is 1000 kJ and the energy released when new bonds form is 1400 kJ. What is the overall energy change?**

A -400 kJ

B -1000 kJ

C 1400 kJ

D 400 kJ

Understand It with Pulse | Flag a mistake

9 **What does the greenhouse effect do?**

- A it makes the Earth spin
- B it stops the Sun shining
- C it keeps the Earth warm
- D it makes the Earth cold

Understand It with Pulse | Flag a mistake

10 **A sunflower grows taller over the summer. Where does most of the extra mass come from?**

- A sunlight captured by the leaves
- B water absorbed from the soil
- C carbon dioxide from the air
- D minerals absorbed from the soil

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.