ENGLAND GCSE CHEMISTRY OCR TWENTY FIRST CENTURY HIGHER · UNIT 1 · 5 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 cup of coffee is hot. How is energy transferred to the air?**

- A by condensation on the cold cup
- B by conduction and convection
- C by evaporation only, from the top
- D by radiation only, from the surface

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2 **Which human activity releases methane?**

- A driving electric cars
- B planting trees
- C burning coal
- D farming cattle

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3 **What is an endothermic reaction?**

A a reaction that stops

B a reaction that takes in heat

C a reaction that gives out heat

D a reaction that makes light

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4 **In the combustion of methane, the energy needed to break the bonds is 1000 kJ and the energy released when new bonds form is 1200 kJ. What is the overall energy change?**

A -1000 kJ

B -200 kJ

C 200 kJ

D 1200 kJ

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5 **When did oxygen start to build up in the atmosphere?**

A when plants evolved

B when the oceans formed

C when humans appeared

D when volcanoes erupted

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ANSWER KEY

1. B
2. D
3. B
4. B
5. A

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