ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY HIGHER · UNIT 14 · 5 QUESTIONS

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

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2 **A 2 kg object is lifted 3 m. Use g = 10 N/kg. What is the gain in gravitational potential energy?**

- A 120 J
- B 6 J
- C 60 J
- D 30 J

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3 **Which energy resource uses heat from underground rocks?**

A wind

B solar

C hydroelectric

D geothermal

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4 **Which energy resource will run out first?**

A tidal power

B solar power

C geothermal power

D a fossil fuel

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5

Energy transfers can be shown with arrows whose widths show the amount of energy. What is this way of showing transfers called?

A a Sankey diagram

B a circuit diagram

C a ray diagram

D a force diagram

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ANSWER KEY

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

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