ENGLAND GCSE COMBINED SCIENCE OCR TWENTY FIRST CENTURY FOUNDATION · 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 cheese pizza is cooked in an oven. How is energy transferred in the oven?**

A by conduction only, through the tray

B by evaporation from the cheese

C by radiation and convection

D by condensation on the oven walls

Understand It with Pulse | Flag a mistake

2 **A force of 50 N pushes a box 4 m along the ground. How much work is done?**

- A 230 J
- B 200 J
- C 100 J
- D 400 J

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3 **A sunflower turns its head to follow the Sun. What is this a response to?**

- A water
- B gravity
- C light
- D touch

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4 **A device transfers 100 J of energy in 20 seconds. What is its power?**

- A 2.5 W
- B 10 W
- C 5 W
- D 2000 W

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5 **A machine uses 300 J of energy and gives out 60 J of useful energy. What is its efficiency?**

- A 20%
- B 30%
- C 10%
- D 40%

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ANSWER KEY

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

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