ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 17 · 5 QUESTIONS

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 red race car has a large rear wing. What does the wing do?**

- A reduces drag to zero
- B reduces grip
- C increases speed
- D increases grip

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2 **A cup of coffee is left for an hour. What happens to its temperature?**

- A it falls to zero degrees
- B it falls to room temperature
- C it rises above room temperature
- D it stays the same all day

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3 **A machine uses 80 J of energy and gives out 40 J of useful energy. What is its efficiency?**

- A 25%
- B 50%
- C 100%
- D 60%

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4 **A 10 kg object moves at 3 m/s. What is its kinetic energy?**

- A 45 J
- B 55 J
- C 90 J
- D 22.5 J

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5 **Which energy resource is reliable in any weather and produces no carbon dioxide while running?**

A wind power, which needs wind

B wave power, which needs waves

C solar power, which needs sun

D nuclear power

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ANSWER KEY

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

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