ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 19 · 5 QUESTIONS

Conservation of 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 rocket is pushed up by hot gases. What is the upward force called?**

- A thrust
- B lift
- C drag
- D weight

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2 **A 5 kg object is lifted 4 m. Use g = 10 N/kg. What is the gain in gravitational potential energy?**

- A 200 J
- B 20 J
- C 100 J
- D 400 J

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3 **How can heat loss from a house be reduced?**

- A by insulating the loft
- B by opening windows
- C by removing curtains
- D by turning the heating up

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

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

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5

A cup of coffee is hot. How is energy transferred to the air?

A by condensation on the cold cup

B by evaporation only, from the top

C by conduction and convection

D by radiation only, from the surface

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ANSWER KEY

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

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