ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 18 · 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 rocket launches straight up. Which force acts downwards on the rocket?**

A thrust

B gravity

C air resistance

D lift

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

- A 50 J
- B 100 J
- C 200 J
- D 10 J

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3 **A bicycle rolls down a hill. What happens to its gravitational potential energy?**

- A it becomes chemical energy stored in the bike
- B it decreases as kinetic energy increases
- C it increases
- D it stays the same

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4 **What is kinetic energy?**

- A energy of position
- B energy of heat
- C energy of movement
- D energy of light

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5 **A device transfers 500 J of energy in 25 seconds. What is its power?**

- A 10 W
- B 12500 W
- C 20 W
- D 40 W

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ANSWER KEY

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

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