ENGLAND GCSE PHYSICS AQA HIGHER · UNIT 1 · 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 to let Brett know so he can fix it.

1 **A bicycle has brakes. What do the brakes do to kinetic energy?**

- A store it
- B transfer it to heat
- C destroy it
- D turn it into light and sound

Understand It with Pulse | Flag a mistake

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

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

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3 **A kettle transfers 60000 J in 60 seconds. What is its power?**

- A 60 W
- B 3600 W
- C 1000 W
- D 100 W

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4 **A 4 kg object is lifted 3 m. Use g = 10 N/kg. What is the gain in gravitational potential energy?**

- A 240 J
- B 12 J
- C 120 J
- D 60 J

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5 **A cheese pizza is cooked in an oven. How is energy transferred in the oven?**

A by evaporation from the cheese

B by radiation and convection

C by condensation on the oven walls

D by conduction only, through the tray

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ANSWER KEY

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

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