ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 8 · 5 QUESTIONS

Energy - Forces Doing Work — 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 is ridden uphill. Which energy store increases?**

- A kinetic energy of motion
- B gravitational potential
- C elastic potential energy
- D thermal energy from friction

Understand It with Pulse | Flag a mistake

2 **A force of 25 N pushes a box 10 m along the ground. How much work is done?**

- A 500 J
- B 250 J
- C 125 J
- D 280 J

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3 **A motor lifts a load. Where does the energy go?**

- A it is destroyed by the motor completely
- B it is created by the motor
- C it disappears into the wires
- D to the load as potential energy

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4 **A mass of 5 kg moves at 2 m/s. Calculate its kinetic energy in J.**

- A 5
- B 10
- C 20
- D 30

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5 **A machine transfers 3000 J of energy in 10 s. Calculate the power in W.**

A 300

B 3000

C 150

D 600

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ANSWER KEY

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

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