ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 23 · 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 so it can be fixed.

1 **A bicycle freewheels downhill. What happens to its speed?**

- A it increases
- B it decreases
- C it becomes zero
- D it stays the same

Understand It with Pulse | Flag a mistake

2 **A rocket in space has no air around it. What happens to air resistance?**

- A it stays the same
- B there is none
- C it becomes gravity
- D it increases

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3 **A force of 25 N pushes an object 5 m. Calculate the work done in J.**

- A 125
- B 62
- C 250
- D 135

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4 **A mass of 5 kg is lifted 2 m. Calculate the gravitational potential energy gained in J. Use g = 10 N/kg.**

- A 50
- B 200
- C 100
- D 150

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5 **A machine transfers 6000 J of energy in 100 s. Calculate the power in W.**

- A 120
- B 60
- C 600
- D 30

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ANSWER KEY

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

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