ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 29 · 5 QUESTIONS

Forces and Matter — 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 cardboard box is pushed across a floor. What opposes the push?**

- A air resistance
- B thrust
- C gravity
- D friction

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2 **Two identical springs are stretched by the same force. How do their extensions compare?**

- A one does not stretch at all
- B they are the same
- C one stretches twice as far
- D both stretch to zero

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3 **A spring has a spring constant of 25 N/m. It is stretched by 0.1 m. Calculate the force in N.**

- A 2.5
- B 5
- C 1.25
- D 17.5

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4 **A calculator is switched on. What does the battery transfer energy to?**

- A the screen only
- B the case
- C the buttons only
- D the circuits

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5 **A spring with spring constant 50 N/m is stretched by 0.1 m. Calculate the elastic potential energy stored in J.**

- A 0.25
- B 0.5
- C 1
- D 0.125

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ANSWER KEY

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

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