ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 18 · 5 QUESTIONS

Motion and Forces — 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 tennis ball bounces. What happens to its kinetic energy?**

- A it disappears completely
- B some becomes heat
- C it becomes light energy
- D it all stays kinetic energy

Understand It with Pulse | Flag a mistake

2 **A red race car speeds up on a straight track. What is the resultant force doing?**

- A causing deceleration
- B causing acceleration
- C causing a turn
- D doing nothing

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3 **What force is needed to accelerate a 4 kg object at 5 m/s squared?**

- A 20 N
- B 10 N
- C 25 N
- D 40 N

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

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

Understand It with Pulse | Flag a mistake

5 **A passenger aeroplane flies at a steady speed and height. What is the resultant force on the aeroplane?**

A 5000 N

B 10000 N

C 1000 N

D 0 N

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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