ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY HIGHER · UNIT 6 · 5 QUESTIONS

Interactions over Small and Large Distances — 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 guitar string is tightened. What happens to the pitch?**

- **A** it stays the same
- **B** it rises
- **C** it falls
- **D** it disappears

Understand It with Pulse | Flag a mistake

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

- A 5000 N
- B 0 N
- C 1000 N
- D 10000 N

Understand It with Pulse | Flag a mistake

3 **What is the momentum of a 2 kg object moving at 3 m/s?**

- A 12 kg m/s
- B 3 kg m/s
- C 5 kg m/s
- D 6 kg m/s

Understand It with Pulse | Flag a mistake

4 **An object travels 400 m in 20 seconds. What is its speed?**

- A 20 m/s
- B 40 m/s
- C 8000 m/s
- D 10 m/s

Understand It with Pulse | Flag a mistake

5 **A passenger train brakes. What force slows it down?**

- A lift
- B thrust
- C friction
- D gravity, pulling it down

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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