ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY FOUNDATION · UNIT 4 · 5 QUESTIONS

Explaining Motion — 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 Ferris wheel turns. What force keeps a person moving in a circle?**

- A centripetal force
- B air resistance pushing them back
- C friction only, gripping the seat
- D gravity only, pulling them down

Understand It with Pulse | Flag a mistake

2 **An object travels 200 m in 10 seconds. What is its speed?**

- A 10 m/s
- B 20 m/s
- C 2000 m/s
- D 40 m/s

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3 **Which of these is a scalar?**

A speed

B force

C acceleration

D velocity

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4 **A red race car has a large rear wing. What does the wing do?**

A increases speed

B reduces drag to zero

C increases grip

D reduces grip

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5 **What does a crumple zone do in a crash?**

A it makes the car faster

B it stops the wheels turning

C it protects the paintwork

D it absorbs energy

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ANSWER KEY

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

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