ENGLAND GCSE PHYSICS OCR GATEWAY HIGHER · UNIT 2 · 10 QUESTIONS

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 to let Brett know so he can fix it.

1 **A tennis ball is hit across a court. Which force slows the ball down in the air?**

- A friction with the ground
- B the hit
- C gravity
- D air resistance

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2 **A passenger aeroplane cruises. Which force opposes its motion?**

- A lift
- B drag
- C weight
- D thrust

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3 **A 5 kg trolley moves at 2 m/s. What is its momentum?**

- A 5 kg m/s
- B 20 kg m/s
- C 10 kg m/s
- D 15 kg m/s

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4 **A rocket is pushed up by hot gases. What is the upward force called?**

- A drag
- B weight
- C lift
- D thrust

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5 **A car goes around a roundabout. Which force keeps it turning?**

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

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6 **A skydiver falls and reaches terminal velocity. What is true about the forces on the skydiver?**

- A there are no forces at all
- B weight is bigger than drag
- C drag is bigger than weight
- D they are balanced

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7 **A kite rises higher. What happens to the wind speed usually?**

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

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8 **A basketball is thrown up. What happens to its speed as it rises?**

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

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9 **A Ferris wheel turns. What force keeps a person moving in a circle?**

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

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10 **An object speeds up from 10 m/s to 20 m/s in 5 seconds. What is its acceleration?**

- A 10 m/s^2
- B 4 m/s^2
- C 2 m/s^2
- D 1 m/s^2

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ANSWER KEY

1. D
2. B
3. C
4. D
5. B
6. D
7. D
8. B
9. A
10. C

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