ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · UNIT 2 · 10 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 to let Brett know so he can fix it.

1 **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

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2 **A rocket launches straight up. Which force acts downwards on the rocket?**

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

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

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

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4 **A skydiver opens a parachute. What happens to the drag?**

- A it falls to zero
- B it stays the same
- C it increases a lot
- D it turns into weight

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5 **Which factor increases thinking distance?**

A being tired

B worn brakes

C a wet road

D worn tyres

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

A it increases

B it decreases

C it becomes zero

D it stays the same

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7 **An object speeds up from 10 m/s to 30 m/s in 5 seconds. What is its acceleration?**

A 4 m/s²

B 20 m/s²

C 2 m/s²

D 8 m/s²

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

A reduces drag to zero

B increases speed

C increases grip

D reduces grip

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9 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A increasing speed
- B steady speed
- C decreasing speed
- D zero speed

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10 **Hardcover books are dropped. What happens to their speed as they fall?**

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

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ANSWER KEY

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

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