ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY FOUNDATION · UNIT 14 · 5 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 so it can be fixed.

1 **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 decreasing speed
- C steady speed
- D zero speed

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2 **A basketball is dropped. What energy store increases as it falls?**

- A elastic
- B kinetic
- C thermal
- D gravitational potential

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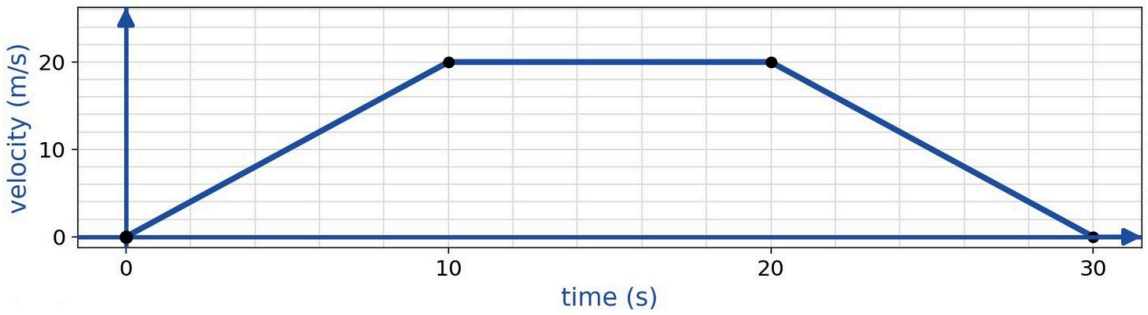
3 **The graph shows a velocity-time graph. What is the acceleration in the first 10 seconds?**



A 2 m/s²

B 20 m/s²

C 10 m/s²

D 0 m/s²

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4 **An object speeds up from 10 m/s to 40 m/s in 10 seconds. What is its acceleration?**

- A 6 m/s²
- B 1.5 m/s²
- C 30 m/s²
- D 3 m/s²

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5 **A spring has a spring constant of 10 N/m. It is stretched by 10 cm. What is the force?**

- A 1 N
- B 2 N
- C 0.5 N
- D 1.5 N

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ANSWER KEY

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

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