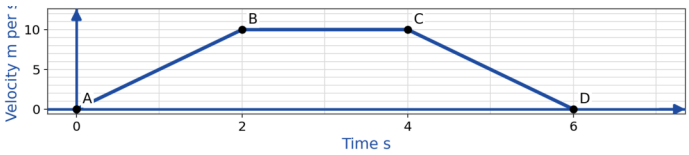
QUEBEC PHYSICS, SECONDARY V · UNIT A · 10 QUESTIONS

Kinematics — 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 **The graph shows velocity against time. The displacement from 0 seconds to 6 seconds, in metres, is**



ANSWER

Understand It with Pulse

Flag a mistake

2 **Use g = 9.8 metres per second squared . An object dropped from rest falls for 4 seconds . The distance fallen , in metres , is**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The SI unit of acceleration is metres per second**

A squared

B cubed

C only

D per hour

Understand It with Pulse | Flag a mistake

4 **The time for a projectile to rise equals the time for it to fall back to the same height, ignoring air**



A gravity

B mass

C colour

D resistance

Understand It with Pulse | Flag a mistake

5 **Two objects starting together, one faster, will have the faster one**

A behind

B stopped

C heavier

D ahead

Understand It with Pulse | Flag a mistake

6 **Uniform motion means motion at constant**

A force

B mass

C velocity

D energy

Understand It with Pulse | Flag a mistake

7 **Uniformly accelerated motion has acceleration that stays**

- **A** zero
- **B** rising
- **C** falling
- **D** constant

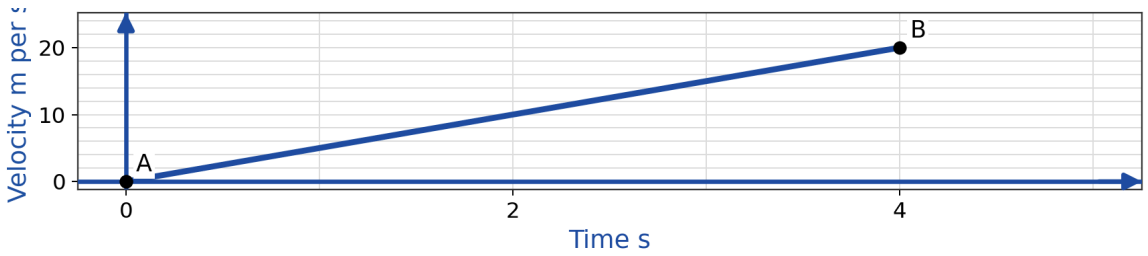
Understand It with Pulse | Flag a mistake

8 **Use g = 9.8 metres per second squared . An object dropped from rest falls for 5 seconds . Its speed then , in metres per second , is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The graph shows velocity against time. The displacement from 0 seconds to 4 seconds, in metres, is**



ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Use g = 9.8 metres per second squared . An object dropped from rest falls for 2 seconds . The distance fallen , in metres , is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 40
2. 78.4
3. A
4. D
5. D
6. C
7. D
8. 49
9. 40
10. 19.6

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