ALBERTA SCIENCE 10 · UNIT 2 · 5 QUESTIONS

Physics — 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 **Which of the following quantities is a scalar quantity, with magnitude but no direction?**

A distance

B velocity

C displacement

D acceleration

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2 **Small silver electric motor with cooling fins and power cable on a wooden workbench, large in frame. The SI unit used to measure power is the**



A joule

B newton

C watt

D ampere

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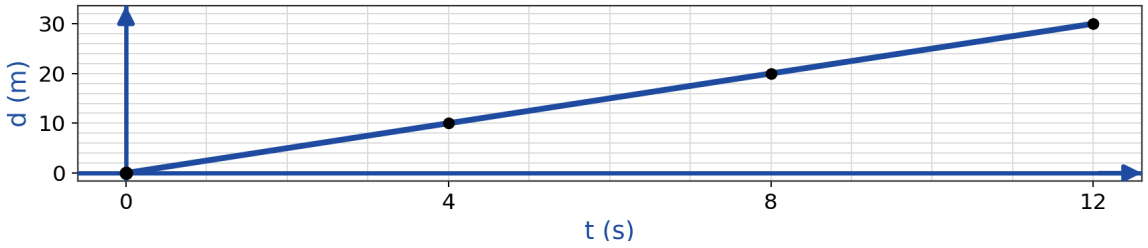
3 **The distance-time graph shows a cyclist moving at a constant speed. The distance travelled after 8 s is**



- **A** 10 m
- **B** 20 m
- **C** 30 m
- **D** 40 m

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4 **The average speed of a moving object is determined by dividing**

- **A** the total time by the total distance travelled
- **B** the displacement by the final speed
- **C** the change in velocity by the total time
- **D** the total distance travelled by the total time

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5 **A sprinter runs 200 m in 25 s. The average speed of the sprinter, in metres per second, is _____.**

ANSWER

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ANSWER KEY

1. A
2. C
3. B
4. D
5. 8

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