ALBERTA SCIENCE 20 · UNIT B · 5 QUESTIONS

Changes in Motion — 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 **Cyclist riding a bicycle along a country road. A cyclist rides 12 km in 0.50 h. The average speed of the cyclist is**



A 6.0 km/h

B 24 km/h

C 48 km/h

D 120 km/h

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2 **Which of the following pairs of quantities are both scalar quantities?**

- **A** Speed and distance
- **B** Velocity and displacement
- **C** Force and acceleration
- **D** Displacement and speed

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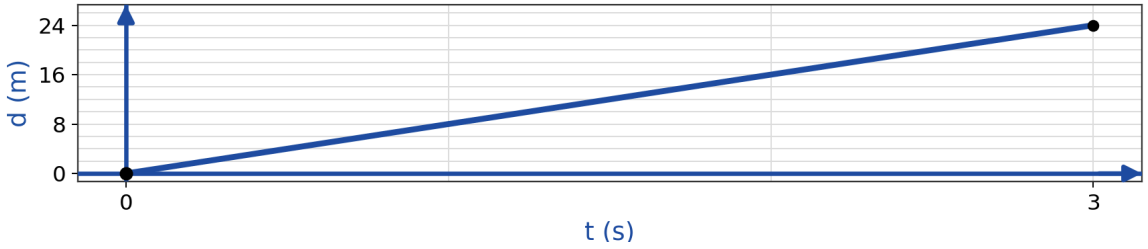
3 **The distance-time graph shows an object moving at a constant velocity. The speed of the object is**



- **A** 3.0 m/s
- **B** 8.0 m/s
- **C** 24 m/s
- **D** 72 m/s

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4 **A skateboarder rolls at a speed of 25 m/s. This speed, in kilometres per hour, is _____**

ANSWER _____

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5 **If the net force acting on a moving object is zero, the object will**

A slow down and stop

B speed up

C have to be at rest

D continue moving at a constant velocity

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ANSWER KEY

1. B
2. A
3. B
4. 90
5. D

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