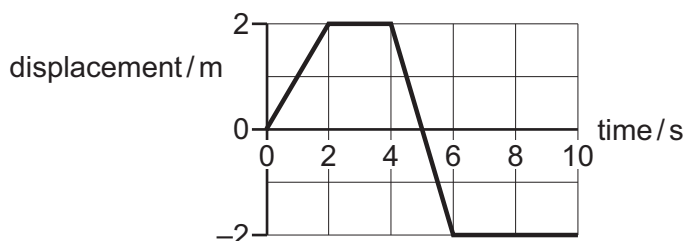


- 5 On a planet, a vertically-launched projectile takes 12.5 s to return to its starting position. The projectile gains a maximum height of 170 m. The planet does not have an atmosphere.

What is the acceleration of free fall on this planet?

- A 2.2 ms^{-2} B 8.7 ms^{-2} C 27 ms^{-2} D 54 ms^{-2}

- 6 A displacement-time graph for a toy car is shown.



Which graph shows the variation with time of the velocity v of the car?

