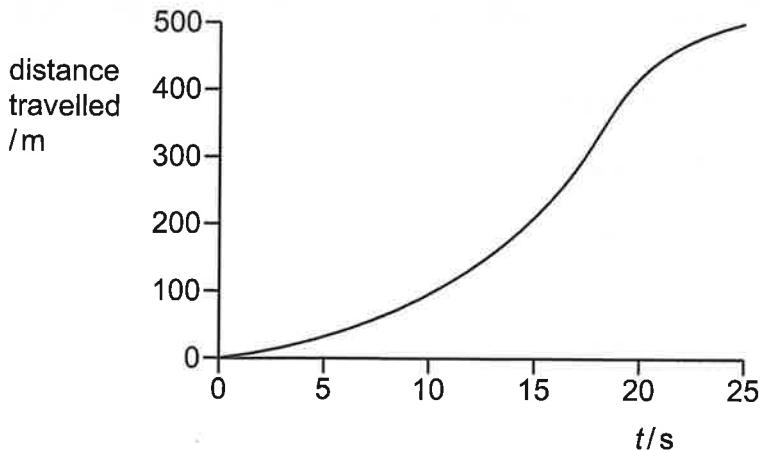


- 5 A car, starting from rest at time  $t = 0$ , travels along a road. The distance travelled from the starting point is measured over the next 25 seconds.



What best describes the motion of the car?

- A The maximum speed during the first 20 seconds is  $10 \text{ m s}^{-1}$ .
- B At some instant during the first 20 seconds the speed is exactly  $20 \text{ m s}^{-1}$ .
- C The average speed for the first 200 m of the journey is  $20 \text{ m s}^{-1}$ .
- D The average speed between 20 and 25 seconds is greater than that between 15 and 20 seconds.