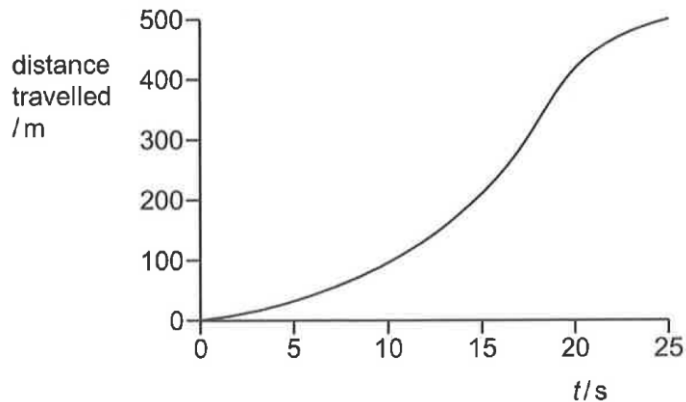


- 5** A car, starting from rest at time $t = 0$, travels along a road. The distance travelled from the starting point is measured over the next 25 seconds.



Which best describes the motion of the car?

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