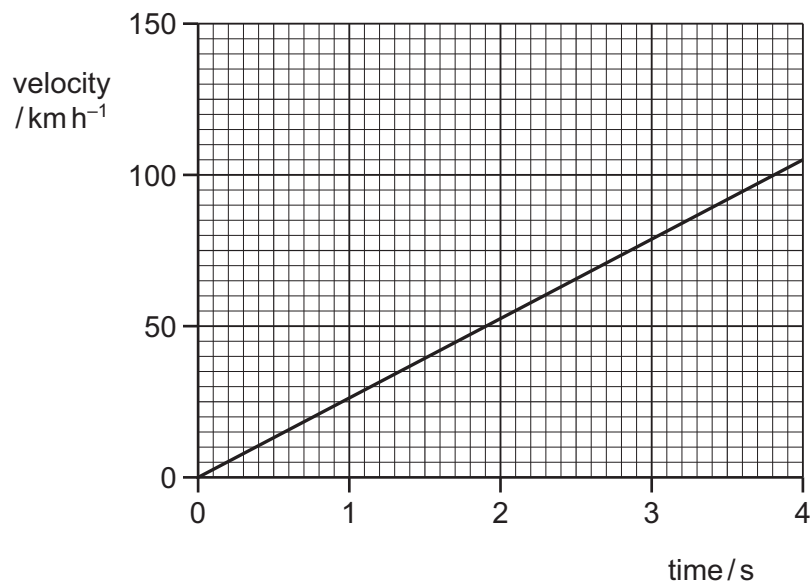


- 8 The velocity of an electric car changes as shown.



What is the acceleration of the car?

- A** 210 ms^{-2} **B** 58 ms^{-2} **C** 26 ms^{-2} **D** 7.3 ms^{-2}
- 9 A body falling in a uniform gravitational field encounters air resistance. The air resistance increases until terminal velocity is reached.
- Which factor does **not** affect its terminal velocity?
- A** the density of the air
B the height from which the body falls
C the mass of the body
D the shape of the body
- 10 Which of the following is a statement of the principle of conservation of momentum?
- A** Momentum is the product of mass and velocity.
B In an elastic collision, momentum is constant.
C The momentum of an isolated system is constant.
D The force acting on a body is proportional to its rate of change of momentum.