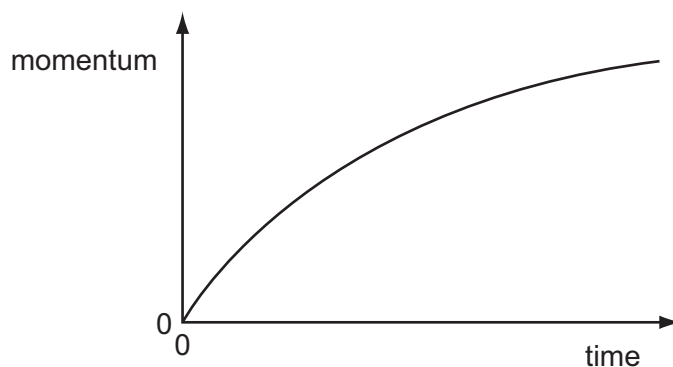


10 What is the **definition** of the force on a body?

- A the mass of the body multiplied by its acceleration
- B the power input to the body divided by its velocity
- C the rate of change of momentum of the body
- D the work done on the body divided by its displacement

11 A car accelerates from rest. The graph shows the momentum of the car plotted against time.



What is the meaning of the gradient of the graph at a particular time?

- A the resultant force on the car
- B the velocity of the car
- C the kinetic energy of the car
- D the rate of change of kinetic energy of the car

**Space for working**