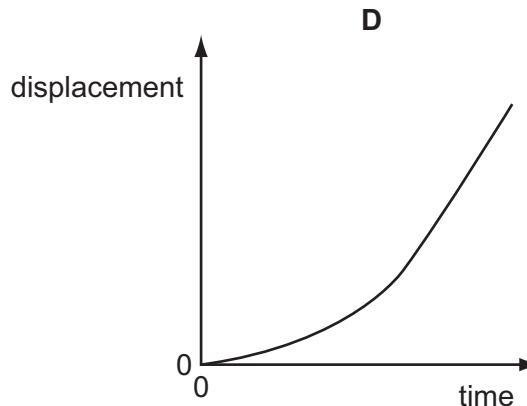
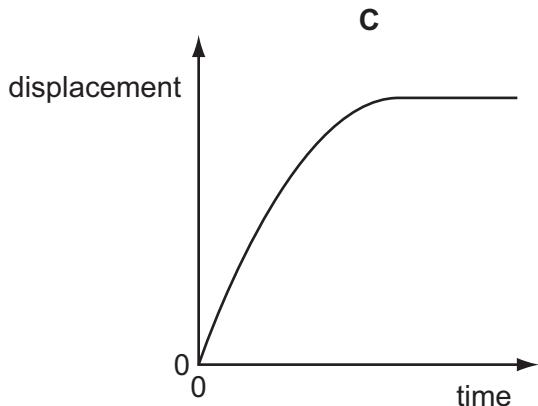
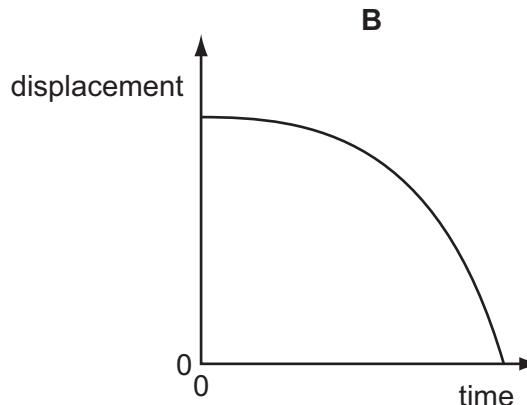
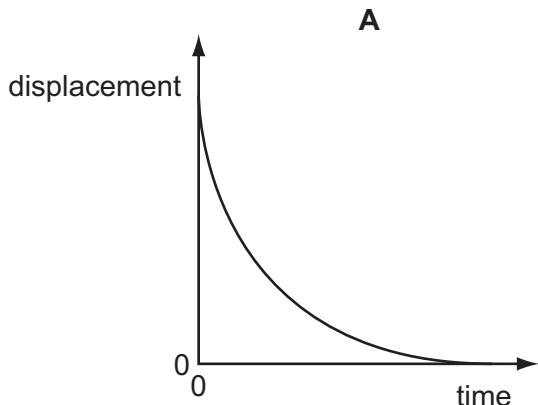


- 7 A sphere is released and falls. Its initial acceleration reduces until it eventually begins to travel at constant terminal velocity. Which displacement-time graph best represents the motion of the sphere?



- 8 An insect jumps with an initial vertical velocity of  $1.0\text{ m s}^{-1}$ , reaching a maximum height of