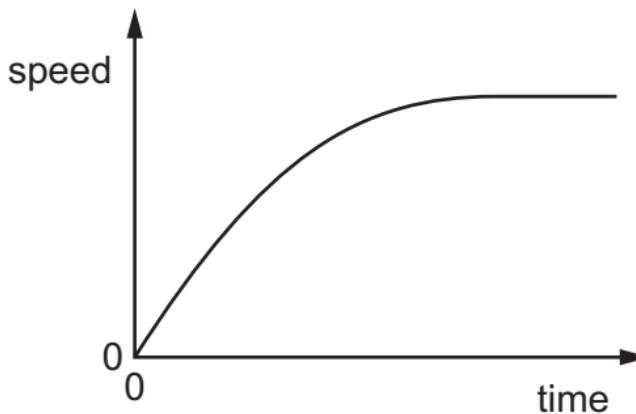


11 The graph shows the variation with time of the speed of a raindrop falling vertically through air.



Which statement is correct?

- A The acceleration decreases to produce a steady speed.
- B The acceleration increases as the speed increases.
- C The air resistance decreases as the speed increases.
- D The resultant force increases as the speed increases.

12 A tiny oil droplet with mass  $6.0 \times 10^{-13}\text{kg}$  is at rest in an electric field of electric field strength