

- 3 The diagram shows the variation with time of the displacement of two cars M and N.

Which statement is **incorrect**?

- A Car M overtakes car N at time  $t$ .
- B Throughout the motion, both cars are accelerating.
- C At time  $t$ , the average velocities of both cars are equal.
- D At time  $t$ , the rate of change of displacement of car N is less than that of car M.