

- 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.