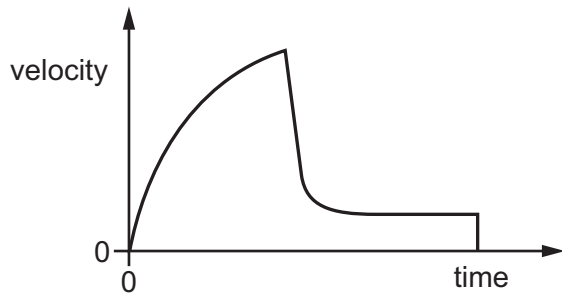


- 8 The graph shows the variation of velocity with time for a stone that falls from a bridge into a lake and sinks to the bottom of the lake.



What can be deduced about the motion of the stone?

- A** Terminal velocity was reached in air.
- B** The acceleration in air was decreasing with increasing time.
- C** The distance travelled in water was greater than the distance travelled in air.
- D** The rate of change of velocity in air was constant.