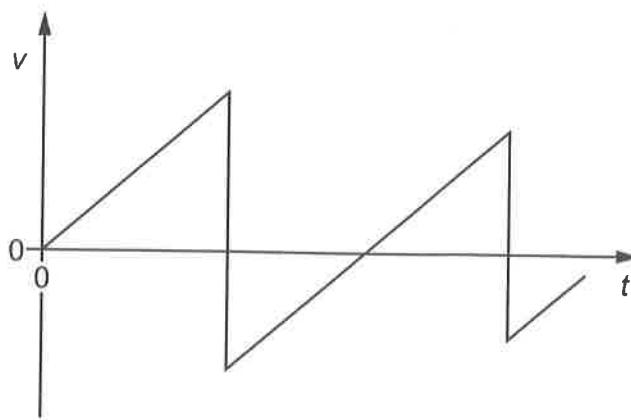


- 5 A steel ball is released from rest above a horizontal glass surface. It falls to the surface and bounces repeatedly. The graph shows how its velocity v varies with time t .



What can be deduced about the air resistance and the kinetic energy loss at each bounce?

	air resistance	kinetic energy lost at each bounce
A	negligible	no energy lost
B	negligible	some energy lost
C	significant	no energy lost
D	significant	some energy lost

- 6 A ball is thrown vertically upwards. The ball reaches a maximum height of 10 m. The ball has a mass of 0.2 kg.