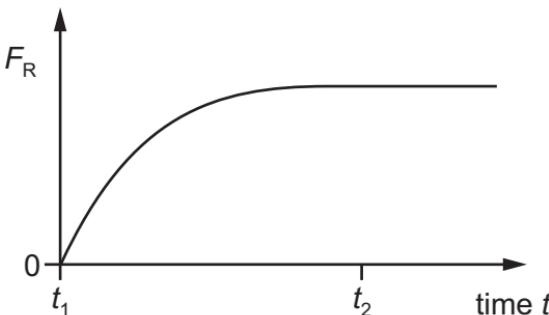


- 13 A light ball is falling vertically through air.

The variation with time t of the resistive force F_R acting on the ball is shown.



At which times are the speed of the ball zero, the speed at a maximum and the acceleration zero?

	zero speed	maximum speed	zero acceleration
A	t_1	t_2	t_1
B	t_1	t_2	t_2
C	t_2	t_1	t_1
D	t_2	t_1	t_2

- 14 Which diagram best shows the forces acting on a ball falling at a constant velocity through air?