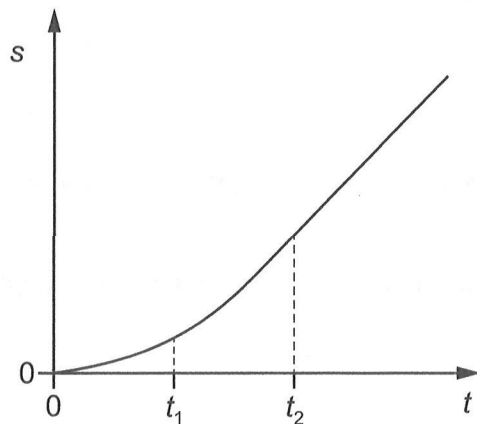


- 4 A ball is released from rest in a uniform gravitational field. Air resistance is **not** negligible.

The variation with time  $t$  of the distance  $s$  moved by the ball is shown.



Which changes occur between times  $t_1$  and  $t_2$  in the speed and in the acceleration of the ball?

	speed	acceleration
<b>A</b>	decreases	decreases
<b>B</b>	decreases	increases
<b>C</b>	increases	decreases
<b>D</b>	increases	increases

- 5 A container placed on a smooth surface contains an object at its centre