

- 3 A ball is thrown horizontally in still air from the top of a tall building.

What happens to the horizontal and to the vertical components of the ball's velocity after a long time?

	horizontal component of velocity	vertical component of velocity
<b>A</b>	decreases to zero	increases at a constant rate
<b>B</b>	decreases to zero	increases to a constant value
<b>C</b>	remains constant	increases at a constant rate
<b>D</b>	remains constant	increases to a constant value

