

- 5 A projectile is fired at an angle of  $45^\circ$  upwards from horizontal ground. Air resistance is negligible.

Which row describes the horizontal motion and the vertical motion of the projectile after it is fired until immediately before it reaches the ground again?

	horizontal motion	vertical motion
<b>A</b>	constant velocity	constant acceleration
<b>B</b>	constant velocity	varying acceleration
<b>C</b>	varying velocity	constant acceleration
<b>D</b>	varying velocity	varying acceleration