

5	<p><b>B is the correct answer</b></p> <p>A is not the correct answer as <math>T</math> for the pendulum is 2.00 s not 1.00 s</p> <p>C is not the correct answer as incorrect value of <math>T</math> used and equation has not been correctly rearranged</p> <p>D is not the correct answer as equation has not been correctly rearranged</p>	(1)
6	<p><b>B is the correct answer</b></p> <p>A is not the correct answer as <math>\frac{1}{2}mv^2</math> is not the correct equation for kinetic energy</p> <p>C is not the correct answer as <math>\frac{1}{2}mv^2</math> is not the correct equation for kinetic energy</p> <p>D is not the correct answer as <math>\frac{1}{2}mv^2</math> is not the correct equation for kinetic energy</p>	(1)