a) Explain what happens to off with a large velocity	o make the last ball bearing on the right subseque	ntly move
<i>5</i>		(3)
	paratus shown to measure the speed of the last bal aced at the end of a bench, so that the ball bearing	
	metal foil which formed part of an electric circuit	
	two strips of metal foil	
Gauss g		
_	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	bearing $5.0 \mathrm{k}\Omega$	
As the hell bearing 1-A	1.5 V	that the
	the gun, it broke the first foil strip at its centre so harge. When the ball bearing broke the second forped.	
	y stored in the capacitor when it was fully charged	
		(2)
	Energy stored =	
	ng halved in the time taken for the ball bearing to	
between the two foi	ng halved in the time taken for the ball bearing to	travel
between the two foi	ng halved in the time taken for the ball bearing to l strips.	travel
between the two foi Show that the time	ng halved in the time taken for the ball bearing to l strips.	travel to foil strips
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between the two foi Show that the time	ng halved in the time taken for the ball bearing to l strips.	travel to foil strips
between the two foi Show that the time	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the tw	travel to foil strips
between the two foi Show that the time was about 0.1 s. (iii) The two foil strips v	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the tw	travel to foil strips
between the two foi Show that the time was about 0.1 s. (iii) The two foil strips v	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the travel	travel to foil strips (2)
between the two foi Show that the time was about 0.1 s. (iii) The two foil strips v	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the travel	travel to foil strips (2)
between the two foi Show that the time was about 0.1 s. (iii) The two foil strips v	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the travel	travel to foil strips (2)
between the two foi Show that the time was about 0.1 s. (iii) The two foil strips v	ng halved in the time taken for the ball bearing to l strips. taken for the ball bearing to travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the two learns are striped to the travel between the travel	travel to foil strips (2)
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(iii) The two foil strips v Calculate the horizon	ng halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the tw were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel o foil strips (2)
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for	ng halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the tw were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) (2) The remaining travel (2) The remaining travel (2) The remaining travel (2)
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for Deduce whether the	ng halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the two were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) for than the tree.
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for Deduce whether the	mg halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the two were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) for than the tree.
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for Deduce whether the	mg halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the two were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) for than the tree.
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for Deduce whether the	mg halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the two were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) for than the tree.
(iii) The two foil strips v Calculate the horizon (iv) The student position centre of the first for Deduce whether the	mg halved in the time taken for the ball bearing to I strips. taken for the ball bearing to travel between the two were 0.50 m apart. ontal velocity of the ball bearing. Horizontal velocity =	travel for foil strips (2) for than the tree.