		16	
8	(a)	Explain the concept of work.	For Examiner's Use
			000
		[2]	
	(b)	A table tennis ball falls vertically through air. Fig. 8.1 shows the variation of the kinetic energy $E_{\rm K}$ of the ball with distance h fallen. The ball reaches the ground after falling through a distance h_0 .	
		energy 🛕	
		E_{K}	
		$0 \bigvee_{n_0} $	
		Fig. 8.1	
		(i) Describe the motion of the ball.	

(ii) On Fig. 8.1, draw a line to show the variation with h of the gravitational potential energy E_P of the ball. At $h = h_0$, the potential energy is zero. [3]

.....[3]

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