Practice Question Set For GCSE

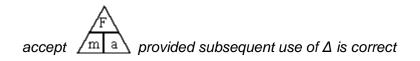
Subject: Physics

Paper-2 Topic: GCSE Triple Science_Forces (High Demand Questions)



Name of the Student:			Time: 27 Minutes
Mark Schemes			
Q1.			
(a)	472		
		answers of 1350/ 33750/ 48600 gain 1 mark allow 1 mark for correct substitution using both 18 and 3	2
(b)	(i)	47250 or their (a)	
	(.)	accept statement 'same as the KE (lost)'	
		ignore any units	
			1
	(ii)	transformed into heat/ thermal energy	
		sound on its own is insufficient	
		accept transferred/ lost/ for transformed do not accept any other form of energy included as a list	
		do not accept any other form of chergy included as a list	1
			[4]
Q2.	(1)		
(a)	(i)	velocity includes direction	
		accept velocity is a vector	1
	(ii)	64	
	(11)	allow 1 mark for obtaining values of 16 and 4 from the graph	
		or marking correct area or correct attempt to calculate an area	
			2
	(iii)	any two from:	
		 velocity zero from 0 to 4 seconds 	
		 increasing in 0.2 s (or very rapidly) to 8 m/s 	
		decreasing to zero over the <u>next 8 seconds</u>	2
	(iv)	momentum before does not equal momentum after ignore reference to energy	
		or total momentum changes	
		or an external force was applied	

1



do **not** accept an equation in units

) 2250

(ii) 2250 credit their (c) \times 900 for 2 marks

credit their (c) × 900 for 2 marks credit 1 mark for correct substitution

[11]

1

2