Practice Question Set For GCSE

Subject: Physics



Paper-1 Topic: GCSE Triple Science_Particle Model Of Matter (High Demand Questions)

Name of the Student: Max. Marks: 19 Marks Mark Schemes		Time : 19 Minute	
			Q1. (a)
(b)	ΔΘ = 78 (°C)	1	
	155 000 = m × 4200 × 78 allow a correct substitution using an incorrect value of ΔΘ	1	
	$m = \frac{\frac{155\ 000}{4200\ \times 78}}{allow\ a\ correct\ rearrangement\ using\ an\ incorrect\ value\ of\ \Delta\Theta}$		
	m = 0.4731 (kg) allow a correct calculation of mass using an incorrect value of $\Delta\Theta$	1	
	m = 0.47 (kg)	1	
(c)		1	
	Pt = mcΔΘ	1	
	P = gradient × mc	1 [9	
Q2. (a)	The particles move in random directions.	1	
	The particles move with a range of speeds.	1	

