Practice Question Set For GCSE

Subject: Physics



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

Name of		Student:	Time : 22 Minutes	
Mark Sch				
Q1.				
(a)	plastic/glass walls; vacuum; insulating top			
		any two for 1 mark each	2	
(b) silv		ering/shiny on either wall		
	for 1 mark		1	
			[3]	
00				
Q2. (a)	(i)	Carries heat up (as convection current)		
(4)	(.)	cames near up (ac convection can only	1	
	(ii)	(1) By conduction or from molecule to molecule		
		(2) By radiation or as IR	2	
	(iii)	Use shiny surface (inside or outside) or small area		
			1	
(b)	(i)	Rise more quickly	1	
	(ii)	Dull surface good absorber		
	()	(accept "attract" = "absorb" if context correct,		
		then penalise spg mark.		
		Shiny surface poor absorber	2	
(c)	(i)	Fall more quickly		
			1	
	(ii)	Dull surface good emitter Shiny surface poor emitter		
		Onliny surface poor officer	2	
			[10]	
Q3				
(a)	(i)	hot water rises (not heat)		
		for 1 mark		

due to convection currents

		or water expands/becomes less dense on heatingor less dense water rises		
		any for 1 mark	2	
	(ii)	inside hotter (than outside)		
		for 1 mark	1	
	(iii)	(heat transfer by) conduction		
		for 1 mark	1	
	(iv)	surround/cover/insulate tank with poor conductor or named insulator for 1 mark each		
			2	
(b)	(i)	air is an insulator/poor conductor for 1 mark		
			1	
	(ii)	convection stopped foam is an insulator/poor conductor for 1 mark each		
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				[9]