## Practice Question Set For GCSE

**Subject: Physics** 



## Paper-1 Topic: GCSE Triple Science\_Particle Model Of Matter (Low Demand Questions)

	the Student:		
	rks : 23 Marks	Time : 23 Mir	nutes
//ark Sch	nemes		
Q1.			
(a)	0 to 25 cm <sup>3</sup>	1	
(b)	control		
(6)	CONTROL	1	
(c)	2 sets of data recorded from line of best fit to show that the product is the same in both cases (1600)		
	allow for <b>1</b> mark one set of calculated data for one point on the lin	ne of	
	boot m	2	
(d)	decreases	1	
	inavaaaa	1	
	increases	1	
	increases		
		1	[7]
Q2.	Student A's magaurements had a higher resolution		
(a)	Student A's measurements had a higher resolution	1	
	Student B was more likely to misread the temperature	_	
<i>a</i> ,		1	
(b)	a random error	1	
(c)	8.4 °C		
		1	
(d)	740 (seconds)  allow answers in the range 730 – 780		
	anew anewers in the range rest rest	1	
(e)	0.40 × 199 000	1	
	70 600 ( 1)	•	
	79 600 (J)	1	
	accept 79 600 (J) with no working shown for 2 marks		

(f)	stea	ric acid has a higher temperature than the surroundings accept stearic acid is hotter than the surroundings	1
		perature will decrease until stearic acid is the same as the room temperature / oundings	1 <b>[9]</b>
Q3.			
(a)	dependent		1
(b)	(pro	obe) C allow 103.2	1
	larg	est difference between reading and actual temperature reason only scores if C chosen accept larger it is 3.2 greater is insufficient	
		comparing C with only one other probe is insufficient	1
(c)	(i)	12(°C) accept a value between 12.0 and 12.2 inclusive	1
	(ii)	140 (seconds)  accept an answer between 130 and 150 inclusive	1
		temperature starts to rise only scores if time mark awarded accept the temperature was lowest (at this time)	1
	(iii)	increase  accept faster (rate)	1 [7]