## Practice Question Set For GCSE

**Subject: Physics** 



Paper-1 Topic: GCSE Triple Science\_ENERGY (Low Demand Questions)

	Name of the Student: Max. Marks : 22 Marks								
Mark	Mark Schemes								
Q1									
	(a)	(i)	electrical						
			correct order only	1					
			kinetic	1					
			sound	1					
		(ii)	transferred into surroundings / atmosphere						
			accept warms the surroundings						
			allow released into the environment becomes heat or sound is insufficient						
			becomes neat or sound is insunicient	1					
	(b)	0.7	/70 %	i4					
			an answer of 70 without % or with the wrong unit <b>or</b> 0.7 with a un gains <b>1</b> mark						
				2 [6]					
Q2	2.								
	(a)	(i)	<u>water</u>	1					
			heated						
			accept boiled or turned to steam						
			do <b>not</b> accept evaporated	1					
			generator	1					
		/ii\	goothermal newer stations provide a reliable source of electricity	•					
		(ii)	geothermal power stations provide a reliable source of electricity	1					
	(b)	falli	ng water	1					
				[5]					

Q3.

(a)	(i)	77		1
	(ii)	Oil		1
(b)	wat	er		1
(5)	wat		accept H <sub>2</sub> O	1
(c)	Car	bon di	oxide causes global warming	_
				1 [4]
04				
<b>Q4.</b> (a)	(i)	tem	nperature (increase) and time switched on are <u>directly proportional</u> accept the idea of equal increases in time giving equal increases in	
			temperature answers such as:	
			as time increases, temperature increases	
			positive correlation	
			linear relationship     tomporature and time are proportional	
			<ul> <li>temperature and time are proportional score 1 mark</li> </ul>	2
	(ii)	any <b>c</b>	one from:	2
	(11)	arry	"it" refers to the metal block	
		•	energy transfer (from the block) to the surroundings accept lost for transfer accept air for surroundings	
		•	(some) energy used to warm the heater / thermometer (itself) accept takes time for heater to warm up	
		•	(metal) block is not insulated	1
	(iii)	15 00	00 allow <b>1</b> mark for correct substitution, ie 50 × 300 provided no	
			subsequent step shown	2
(b)	lead	d		
			reason only scores if lead is chosen	1
	nee	ds leas	st energy to raise temperature by 1°C	
			accept needs less energy to heat it (by the same amount) lowest specific heat capacity is insufficient	_
				1 [7]