Practice Question Set For GCSE

Subject: Physics

Name of the Student:_

Paper-1 Topic: GCSE Triple Science_ENERGY (Low Demand Questions)

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Max. Ma	Time: 19 Minutes		
Mark So			
Q1. (a)		\triangle	
		accept 'the humpback bridge' symbol accept circle with cross but no lines if more than one symbol drawn, no mark unless lamp is labelled	
(b)	(i)	24	1
		allow 1 mark for correct substitution ie 120 allow 1 mark for an answer 1440 ignore any unit	2
	(ii)	watt	1
(c)	larç	er than accept correct indication inside the box accept an answer meaning larger than ie greater than	1 [5]
Q2. (a)	(i)	0.2 or 1/5 accept 20% for both marks allow 1 mark for correct substitution answer of 0.2% or 20 gains 1 mark ignore units	2
	(ii)	wasted accept transformed to heat / other forms accept transferred to the air / surroundings sound = neutral	1
(b)	(i)	any one from:	

can fly at night

			can fly in the winter		
			can fly faster increases power is neutral	1	
		(ii)	any one from:		
			produces no (pollutant) gases		
			or no greenhouse gases accept named gas accept no air pollution do not accept no pollution accept less global warming accept harmful for pollutant accept produces no carbon do not accept environmentally friendly - produces no / less noise - less demand for fuels accept any other sensible environmental advantage	1	
		(iii)	accept any sensible suggestion eg, map the Earth's surface / weather forecas spying / monitoring changes to the Earth's atmosphere, etc do not accept ideas in terms of transporting accept use as a satellite		[6]
Q3	3. (a)	elec	etrical	1	
		soui	and correct order only	1	
	(b)	the e	energy transformed by the TV will be destroyed	1	
	(c)	a hig	gher efficiency than	1	[4]
Q4	l. (a)	grid	accept any unambiguous indication	1	

accept can fly when it is cloudy accept as a back-up

can stay in the air for longer

(c)	mor	re than accept any unambiguous indication	1
	(ii)	D (only)	1
(b)	(i)	A (only)	1