1a) Define what electrical current is.		2a) What is the Ohm's law equation?	3 a) Sketch the I-V curve for an ohmic conductor (e.g. a resistor at constant				
b) What equation links Charge, Current and time?		b) What are the units for each variab	temperature).				
c) What are the units for each variable?		c) Ohms law states that the potentia proportional to the current. What d proportional mean?					
Component	Symbol	proportional mostly			b) Describe and explain the pattern.		
Swicth (open				8a) What equation links			
and closed) Cell		Electric	itv	Power, Potential difference and current?	4 a) Sketch the I-V curve for a filament bulb		
Battery		Licetile					
Diode		6 a) Sketch the I-V curve for a thermistwo different temperatures hot and c	'	b) What are the units for each variable?			
Resistor		two unreferre temperatures not and c	.014).	each variable:			
Variable resistor					b) Describe and explain the pattern.		
LED			· ·	the I-V curve for a LDR at two			
Lamp		b) Describe and explain the pattern.		ht intensities (light and dark).	5 a) Sketch the I-V curve for a diode.		
Fuse					S a) Sketch the 1-V curve for a diode.		
Voltmeter							
Ammeter Thermistor							
LDR		c) How are thermistors used in b) Describe and explain the pattern.		b) Describe and explain the pattern.			
LUI		real life?					
			c) How are thermistors used in real life?				

	Series	Parallel		Direct Current	Alte	Alternating current		
Description			Description					
Sketch of a circuit			Sketch of Potential difference – time graph.					
Rule for current			9 a) What colour are and what is the role of the live; neutral AND Earth wires used in plugs and mains electricity?			11a) What equation links Energy, Power and time?		
Rule for potential difference							What are the units for ch variable?	
Rule for resistance			b) What is the potential difference between the live and earth wires?		10a) What equation Power, resistance and current?			
	Why is this?	Why is this?	c) What is the frequence difference of the domes supply in the UK?			E	2a) What equation links nergy, Charge and potentia ifference?	
	the national grid? e role of step up and step dov	wn transformers?				1	) What are the units for ach variable?	