Draw the symbol diagrams for: a What is the equation that links current, potential difference and resistance? b to	Explain k
switch (open) switch (closed) relationship?	
Write the symbols and units for the following:	
lamp fuse potential difference: Label the diagram of the 3-point plug: Thermistor: as temperature increases, resistance g Label the diagram of the 3-point plug:	
diode LED If you were measuring resistance, what would you need to measure and what components would you need? Uses:	
cell battery LDR: as intensity increases, resistance Uses:	
voltmeter ammeter, voltmeter, battery, lamp, variable resistor.	
Voltmeter Type of Circuit Potential Current: Same or Split between Branches? What is the purpose of the three core cables in electrical appliances?	
resistor variable resistor	
thermistor LDR	
Kesistors What is the effect on the total resistance of dating resistors Draw the current-potential difference graphs for: into a: resistor	
a. series circuit?	to a switch is
What is the equation that links charge flow, current and time? For the below circuit, calculate the total resistance. j	
Write the symbols and units for the following.	nection
charge flow: diode	
time: Total resistance =	





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AQA Physics Unit 4.2- Electricity - Higher		2
What is the equation linking power, potential difference and current?	Why is energy transferred at such a high voltage in cables?	Complete the diagrams below to show the electric fields around positively h and negatively charged spheres.
What is the equation linking power, current and resistance?		
Write the symbol and unit for power.	Describe how the following work: a. step-up transformer:	+
	b. step-down transformer:	
Describe how each of the appliances below transfers energy.	f	Charged objects have an electric field around them.
		What happens to the field strength as you go further away from the charged object?
Hairdryer 		Charged objects exert a force on one another when they are brought close together. What is this type of force called?
	Describe what happens to these insulating materials (above) when they are rubbed together.	
What is the equation linking energy transferred, power and time?		Where is the force the greatest?
What is the equation linking energy transferred, charge flow and potential difference?	What happens when two objects are brought together that have: a. the same charge?	List some everyday examples of static electricity:
Write the symbol and unit for energy transferred.	b. the opposite charge?	1. 2.
	Label the National Grid diagram.	3
Describe the relationship between the power ratings of appliances and the changes in stored energy when they are in use.		My main areas for improvement in this topic are:













