Keywords/ Definitions		
Keyword	Meaning	
ammeter	A device used to measure electric current.	
Current	Current is a measure of how much electric charge flows through a circuit.	
in parallel	A circuit where current divides into two or more paths before recombining to complete the circuit.	
in series	Connected to a circuit in such a way that the same current flows through each component in turn.	
potential differenc e	The potential difference of a supply is a measure of the energy given to the charge carriers in a circuit	
circuit	A closed loop through which current moves - from a power source, through a series of components, and back into the power source.	
electric current	The movement of electrically charged particles, for example, electrons moving through a wire or ions moving through a solution.	
resistance	The opposition in an electrical component to the movement of electrical charge through it.	
voltmeter	A device used to measure potential difference or voltage.	
electric charge	The electrical state of an object, which can be positively charged or negatively charged.	

Key Facts

Key races	
 Potential difference is measured in volts (V). potential difference is V. Current is measured in amperes (A). The sym Resistance is measured in ohms (Ω). The sym In a series circuit, if one component is discon will stop working. In a parallel circuit if one component is discon components still work. In a series circuit, the current is the same even Ammeters must be connected in parallel. In parallel circuits, the current is shared betw In series, the total resistance increases when components. An electrical conductor has a low resistance. An electrical insulator has a high resistance. 	The symbol for bol for current is I. bol for resistance is R. nected, all components nnected, the other erywhere in the circuit. Veen components. you add more A 6A A 6A Cell
Numeracy – calculating resistance	
 To find the resistance of a component, you need to measure: the potential difference across it the current flowing through it We use this equation to calculate resistance: Resistance = potential difference ÷ current 	Lamp Voltmeter
R = V ÷ I	









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