

	Question	Answer
	What are the three particles that make up all atoms?	Protons, neutrons and electrons
	Name the particle in an atom that has a negative charge	Electrons
	What are the two types of electric charge?	Positive and negative
	What happens when two opposite charges come near each other?	They attract each other
	What happens when two similar charges come near each other?	They repel each other
	What does a cell (or battery) do in a circuit?	Provides energy to push the electrons around the circuit
	Why does a circuit need to be complete for it to work?	So that the electrons can flow around it
	What is potential difference?	The difference in energy between two points in a circuit
	What is the unit of potential difference?	Volts
	What do we use to measure potential difference?	Voltmeter
	What does resistance do to electric current?	It slows down the flow
	What do we call a material with very high resistance?	An insulator
	What do we call a material with very low resistance?	A conductor
	What is electric current?	How many electrons are passing a given point in each second
	What do we measure current with?	An ammeter
	What is the unit of current?	Amps
	What happens to current at the branches of a parallel circuit?	It splits
	What happens to the potential difference across a bulb when you add more bulbs in series?	It decreases
	Give the equation to calculate current from potential difference and resistance	Current = potential difference ÷ resistance