



Knowledge Organiser- SCIENCE (Physics)-YEAR 6- SUMMER 2 2023

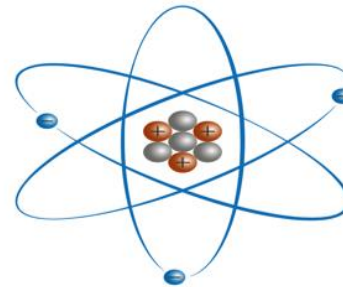
ELECTRICITY-How do we make circuits?

STICKY KNOWLEDGE

Electricity involves a charge of electrons	A series circuit is where electrons follow one path	Adding more batteries to a circuit increases the voltage
Copper is a good electrical conductor so it is used in most wires	Traffic lights are an example of an electrical signal	A resistor can affect the current of electricity within a circuit

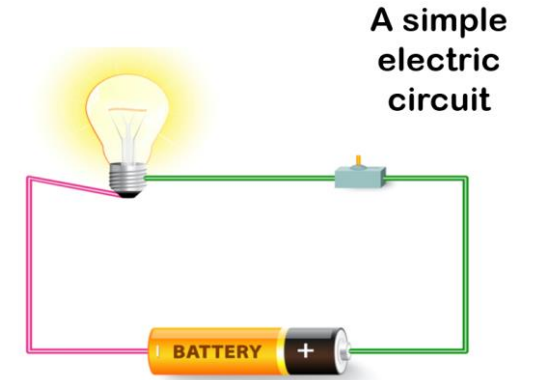
KEY VOCABULARY

Voltage	An electric force which 'pushes' the electric current round the circuit
Conductor	A material that electricity can flow through easily
Insulator	A material which doesn't conduct electricity
Variable resistor	A device which varies the amount of electric current allowed to flow through the circuit
Component	An individual part in an electric circuit
Static electricity	Electricity that collects on the surface of an object, which can cause an electric shock

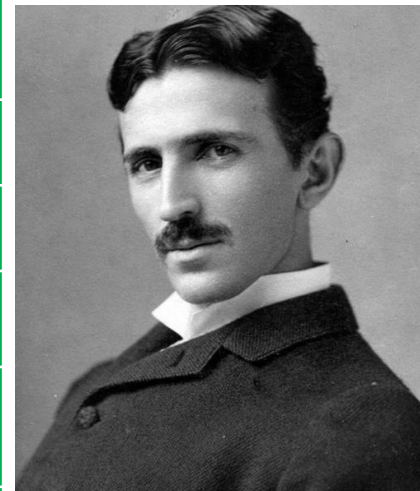


Atom structure

- Proton
- Neutron
- Electron



Key Scientist: Nikolas Tesla



Nikolas Tesla was a scientist and inventor who specialised in working with electricity. He made some of the most important contributions to physics and engineering. His work paved the way for many of the technological devices we use every day.

Electric circuit symbols

