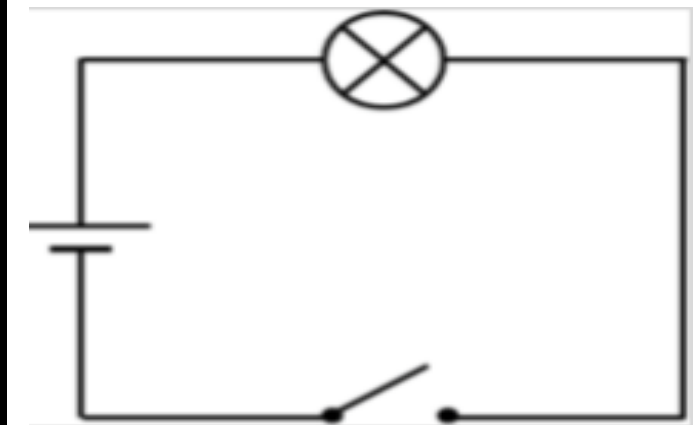




Electrical Symbols

	Bulb
	Motor
	Wire
	Buzzer
	Open Switch
	Battery

A scientific diagram with an open circuit:



Vocabulary you will know...

Circuit	A complete route which an electrical current can flow around.
Cell	A device used to generate electricity.
Battery	A small device that provides power for electrical
Voltage	An electrical force that makes electricity move through a wire, measured in volts (V).

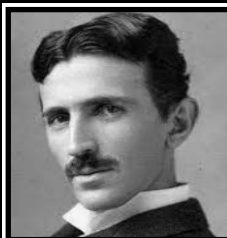


Vocabulary you will hear...

Switch, bulb, wire, buzzer, motor



Scientists: Nikolai Tesla and Henry Snaith



**Nikola Tesla**— was a famous inventor. His best known invention was an electric motor that could run well on AC power.

**Henry Snaith**—is a Professor of Renewable Energy. His research focuses on developing and understanding new materials for solar energy conversion.



Quiz Corner



- 1) What will increase the brightness of a bulb?
- 2) What is voltage?
- 3) How can the sound of a buzzer be increased?
- 4) Draw me a scientific circuit that has one bulb and a battery.

What will I know at the end of the unit?

- The brightness of a bulb is associated with the voltage.
- Increasing the number of cells in a circuit will increase the brightness of a bulb.
- As the number of cells in a circuit is increased the amount of sound the motor produced also increases.
- Use recognised symbols when representing a simple circuit in a diagram.
- Construct simple series of circuits.
- Cells have different voltages. The higher the voltage, the brighter the bulb.