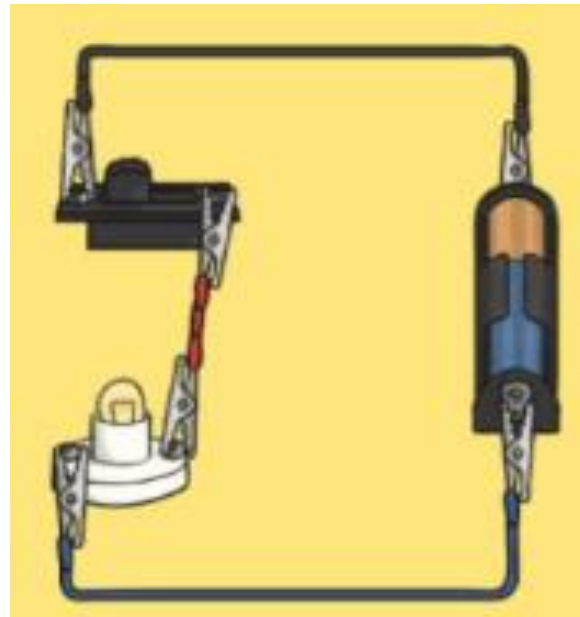


What do you need to make a circuit work?

ESSENTIAL VOCABULARY

Electricity	The flow of an electric current through a material, e.g. from a power source through wires to an appliance.
Circuit	A closed path that allows electricity to flow from one point to another.
Cell	In science, a battery is called a cell. This provides energy to make a circuit or appliance work.
Appliance	A piece of equipment or a device designed to perform a particular job, such as a washing machine or mobile phone
Component	A part of a circuit such as a bulb, a buzzer and a cell.
Conductor	A conductor of electricity is a material that will allow electricity to flow through it
Insulator	Materials that are electrical insulators do not allow electricity to flow through them.

Scientific Images



Insulators Conductors



What I will know at the end of the unit.

Be able to identify and name appliances that run on electricity .

How to construct a simple electrical circuit.

The names of the basic parts of a circuit.

Identify whether a bulb will light or not in a simple circuit.

Recognise how a switch opens and closes a circuit.

Recognise some regular conductors and insulators.

William Gilbert



An English Scientist born in 1544. He was a pioneer in developing magnetic and electrical phenomena. He was the first scientist to use the word electric.