

## TASK I

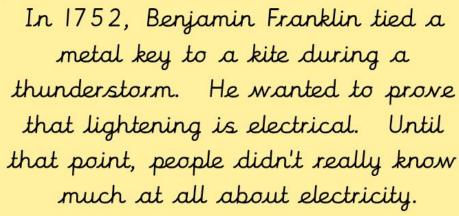
Read the statements you have been given about electricity. Draw a table with the headings 'True, False, Not Sure' and write the following statements into the column you think.

True	False	Not sure

Lightning is electrical.	Increasing the voltage makes the bulb brighter.	Before electricity was installed in homes, people used oil or gas lamps and candles for light.	This is the scientific symbol for a battery:	Circuit components include buzzers, switches, wires and motors.
The power does not return to the battery in a circuit.	The first battery was invented in the 1900s.	An electrical circuit does not need to be complete to work.	Benjamin Franklin invented electricity.	Energy jumps through the air from one component to another in a circuit.
This is the scientific symbol for a closed switch:	Thomas Edison created the first reliable lightbulbs.	There does not need to be a power source for a circuit to work.	Electricity has always been available in homes.	Batteries have a positive and a negative end.

Voltage Crocodile clip Cell Electricity Circuit Motor Conductor Circuit diagram Current Bulb Buzzer Wire Symbols Switch Components Insulator Positive / negative

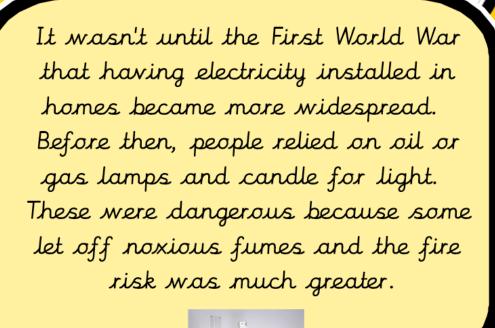
This is the vocabulary we will be using in this unit. Are there any words you are unsure of? You could use dictionary.com to find out what they mean.





It wasn't until 1800 that the first battery was invented and it was many years later, in 1883, that the first reliable light bulbs were patented by Thomas Edison.



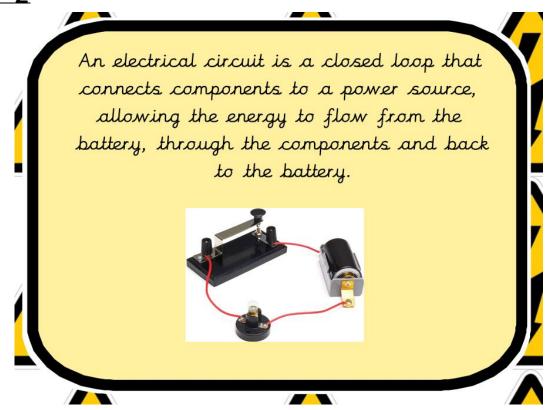




Of course, the lightbulb isn't the only thing we use in our homes that runs off electricity.

Make a list of all the things you can think of that use electricity in your home.

What would life be like without these things?





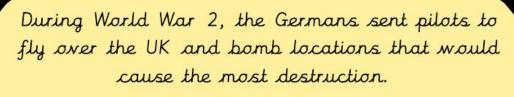
Watch this video which explains how an electric circuit works.

https://www.bbc.co.uk/bitesize/clips/zq3fb9q

Watch this video to find out how to make a bulb brighter.

https://www.bbc.co.uk/bitesize/clips/z6qd7ty





How could they have use these lights to help them? Note down your ideas.



During World War 2, the blackout was a nationwide effort to turn off all lights in towns and cities. It was devised as a defence against German bombers, so they could not be guided by the lights.



What would life have been like during a black out in the blitz?

What if you had to find your way to an air raid shelter?