

# What is a circuit?

## 1. Listen to the text. Fill the gaps.

Let's get started

What is a circuit?

A circuit is a combination of a power source and conductive material in a \_\_\_\_\_ that allows the \_\_\_\_\_ of electricity and a \_\_\_\_\_ for the \_\_\_\_\_. \_\_\_\_\_ can be as simple as a pair of \_\_\_\_\_, connected to a \_\_\_\_\_, powering \_\_\_\_\_, or as complicated as \_\_\_\_\_, powering a computer .

When the current of electricity is disrupted, either by a fault or break in a circuit, or \_\_\_\_\_ of a switch the circuit is considered open and electrons are not able to move freely.

When circuits are complete and \_\_\_\_\_ is able to move through-out the circuit \_\_\_\_\_ a circuit is considered closed .

Circuits can be complicated to make sense of circuits , circuit \_\_\_\_\_ (often called \_\_\_\_\_ diagrams )are used to describe what is happening in a circuit.

In this example the \_\_\_\_\_ of the circuit is described with the symbol of two \_\_\_\_\_ with a side for the \_\_\_\_\_ and a side for the \_\_\_\_\_, the wires are \_\_\_\_\_ a symbol that is a \_\_\_\_\_, the \_\_\_\_\_ is a solid line with a break in it, showing that this switch is left in the open position and the light bulb of the symbol is represented with a circle with an x through it . Each symbol is appropriately labeled,so that it's easy to read this diagram .

More complicated diagrams require more \_\_\_\_\_. Here are just a few of the different symbols you may see in a circuit diagram. Having a circuit diagram simple char can be helpful to read these :

- Light bulb
- led
- resistors
- motors

There are so many symbols you could use. It's important to have your legend handy .