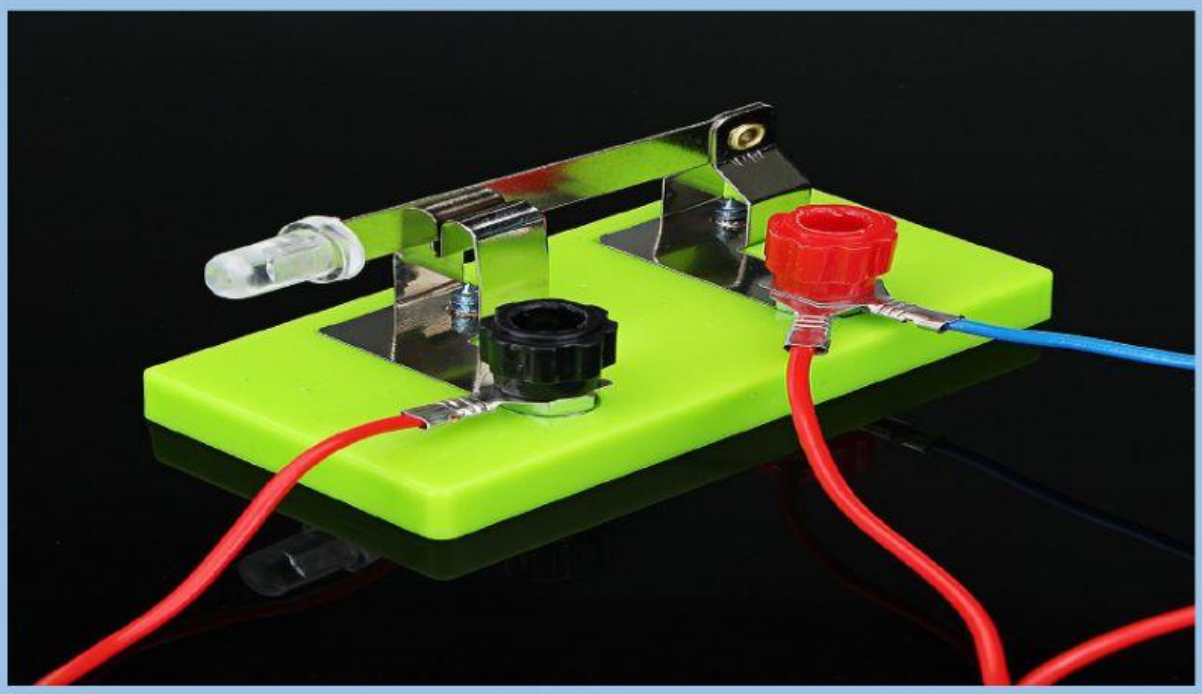
Electric circuit



Task 1. Work at pronunciation:

Electric circuit	Электрическая цепь
Voltage source	Источник напряжения
Ohm's Law	Закон Ома
Series circuit	Последовательное соединение цепи
Parallel circuit	Параллельное соединение цепи
Branch	Отвод
Value	Значение
To vary	Отличаться

Task 2. Pronounce the words:

Electric circuit	Электрическая цепь
Voltage source	Источник напряжения

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Ohm's Law	Закон Ома
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Reading

Read the text for the first time. Fill in the gaps. Use the hints below.

Electric circuit is a path for transmitting electric_____. It consists of voltage source, a resistor and a conductor. A resistor reduces current, a conductor connects the elements, a voltage source supplies current. The basic law that mathematically describes the performance of electric circuit is Ohm's law:

I=V\R	Current equals voltage divided by resistance
V=IR	Voltage equals current times resistance
R=V\I	Resistance equals voltage divided by current

There are different types of electric circuits. A direct-current circuit carries current that flows only in one _____. An alternating-current circuit carries current that pulsates back and forth many times each second, as in most household circuits.

A series circuit is a path along which the whole current flows through each component. A parallel circuit contains branches so that the current divides and only part of it flows through any_____. The voltage, or potential difference, across each branch of a parallel circuit is the same, but the values of current may vary.

Open circuit has a break or_____. They result in no current in the circuit.

a short

Direction

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Circuit

Branch

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