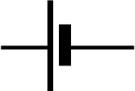
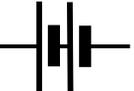
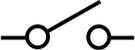
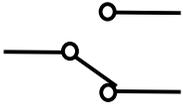
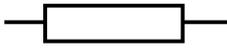
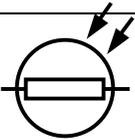
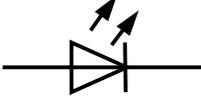


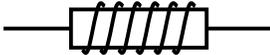
Student Revision Notes (age 11 – 14): Electrical Circuit Symbols

Electrical **circuit symbols** are used to draw and represent electrical circuits and their components in what is called a **circuit diagram**. These are usually easier to draw and understand than to draw how the electrical circuit physically looks. In electrical circuit diagrams wires are shown as straight lines between the different circuit symbols. The following are some common circuit symbols:

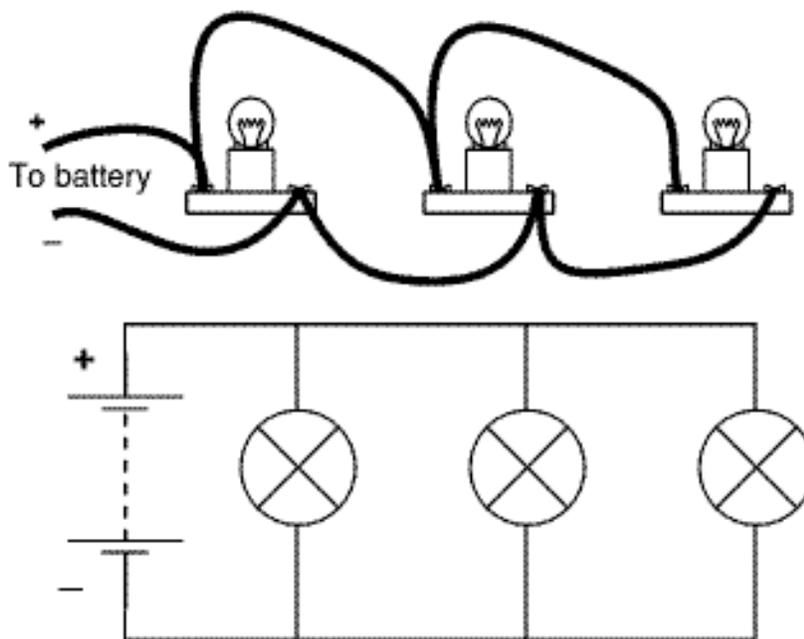
| | | | |
|--------------------------------|---|----------------------------|---|
| Bulb |  | Indicator / Lamp |  |
| Cell |  | Battery with two cells |  |
| Switch |  | Push switch |  |
| Two way switch |  | Fuse |  |
| Buzzer |  | Motor |  |
| Resistor |  | Variable resistor |  |
| Light dependent resistor (LDR) |  | Thermistor |  |
| Diode |  | Light emitting diode (LED) |  |

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| | | | |
|---------------|---|-------------|---|
| Electromagnet |  | Loudspeaker |  |
| Ammeter |  | Voltmeter |  |

The following diagram shows a comparison between the circuit diagram and the physical picture of the circuit.



Linked Resources

www.twothirtyvolts.org:

Electrical Circuit Symbols (11-14) Student Quiz