

6.1 Simple electrical circuit



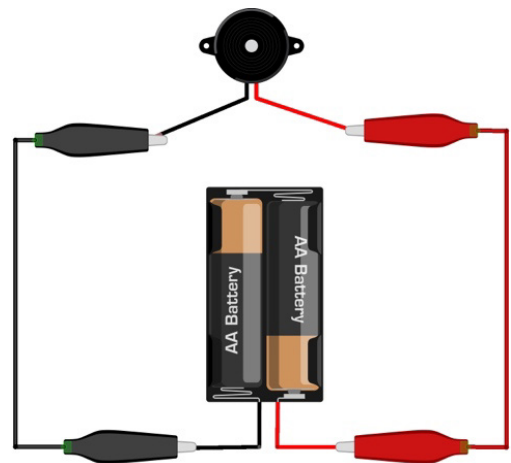
- How do you build a simple electrical circuit with a buzzer?
- How can you interrupt an electrical circuit?
- How can you represent circuits schematically?



Set up:

- two 1.5 volt batteries
- cables with crocodile clips
- two battery holders
- buzzer

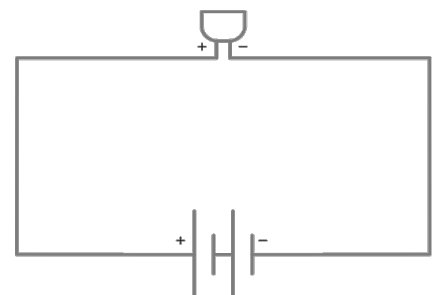
1. Put two batteries into the battery holder. Take note that the batteries have different poles (+ and -) and have to be inserted the right way.
2. Connect the battery to a buzzer using your cables as shown below. Take care that the two crocodile clips connected to the buzzer do not touch.
3. What happens if you disconnect a cable from the circuit?



Observing and documenting:



Take note of the circuit diagram. Circuit diagrams are drawn using the symbols for the components which will be used for the actual circuit. The lines represent wires. Label the symbols.





What occupations require you to know about electricity and electronics?

Space for your sketches