How to Connect an Electric Circuit

Step 1: Gather the equipment You need a battery, two wires, a bulb, and a switch to make a simple circuit.

Step 2: Connect the circuit First, attach one wire from the battery to the bulb. Second, attach another wire from the bulb to the switch. Finally, connect the switch back to the battery.
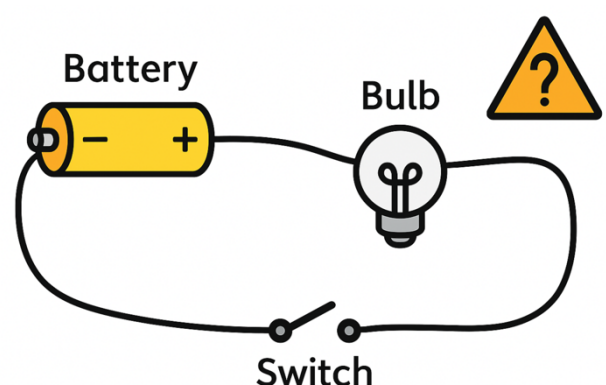
Step 3: Test the circuit Press the switch. If everything is connected properly, the bulb will light up.

Step 4: Troubleshoot if needed If the bulb does not light up, check if:

- the wires are firmly attached,
- the battery has power,
- or the bulb is not broken.

Glossary

- Battery – stores and gives out electrical energy.
- Circuit – a complete path that electricity can travel through.
- Troubleshoot – finding and fixing problems.

Battery

Bulb

Switch

1. What equipment do you need to make a circuit?

2.   In what order should you connect the wires?

3.   What happens when the circuit is closed?

4.   What are two reasons why a bulb might not light up?

5.   Why is it important to check the battery and wires if the circuit does not work?