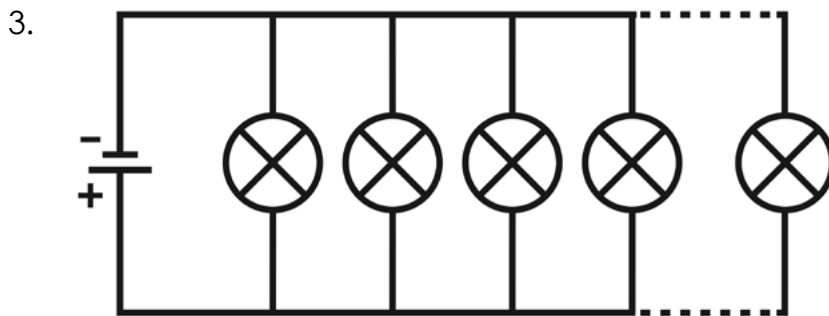


A3.1 Parallel circuits – Tracking down technology

1. Two cables lead to and away from each lamp.
2. The main circuit is an incoming and outgoing cable. The LED is connected to it in parallel. If the LED burns out, the current can still flow to the next LED via the main circuit. The circuit thus remains closed, even if an LED burns out.



4. The lamps are connected in series.
5. If you have only one socket but want to connect several devices, you can get around this issue by using a portable power strip. In a kitchen where you always have several electrical appliances plugged in, several sockets are provided from the outset.
6. The individual sockets in the power strip are connected in parallel.

