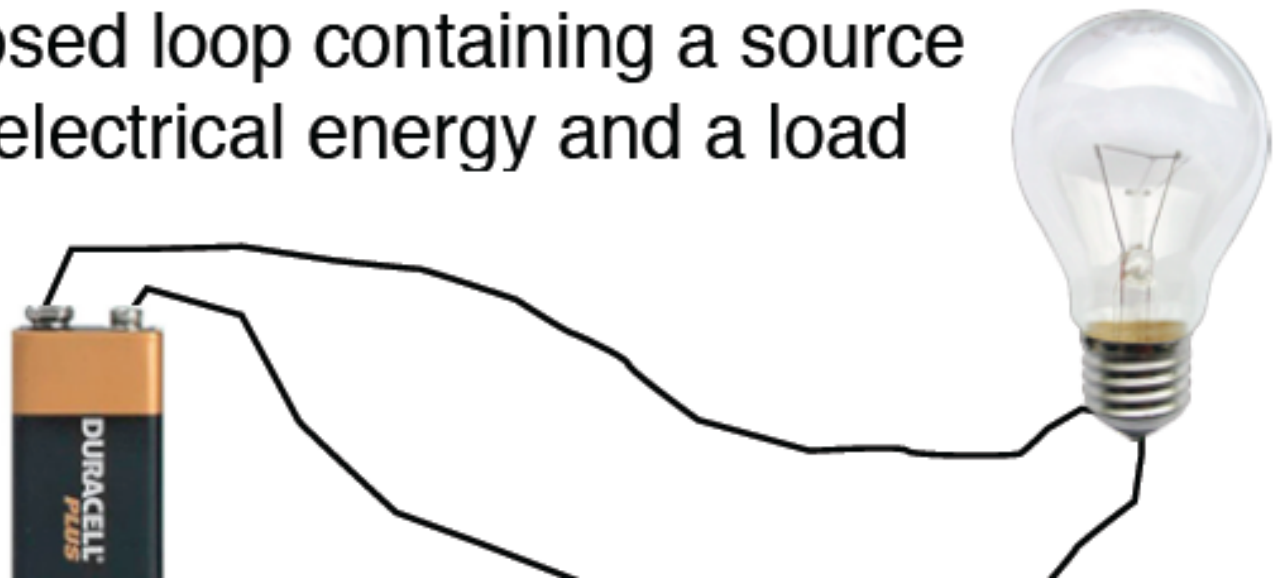


A VERY SIMPLE LED CIRCUIT

VIST 308

Circuit

a closed loop containing a source of electrical energy and a load



·SHORT· Circuit

a circuit with no load



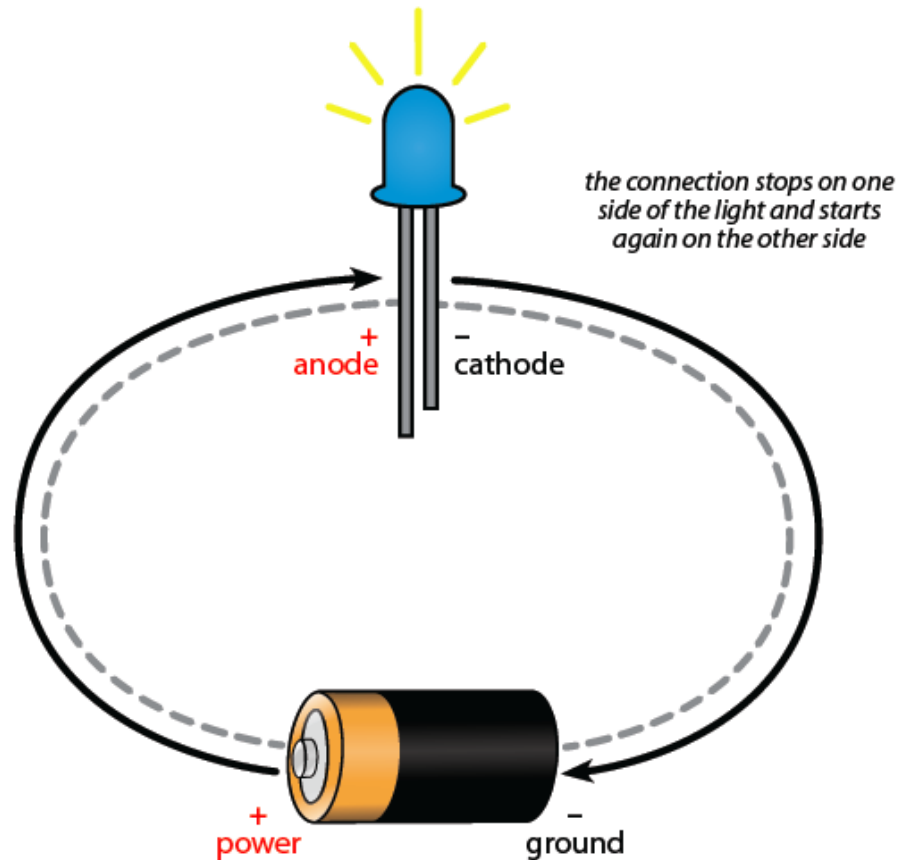
smoke!

exploding
batteries!

melted
wires!

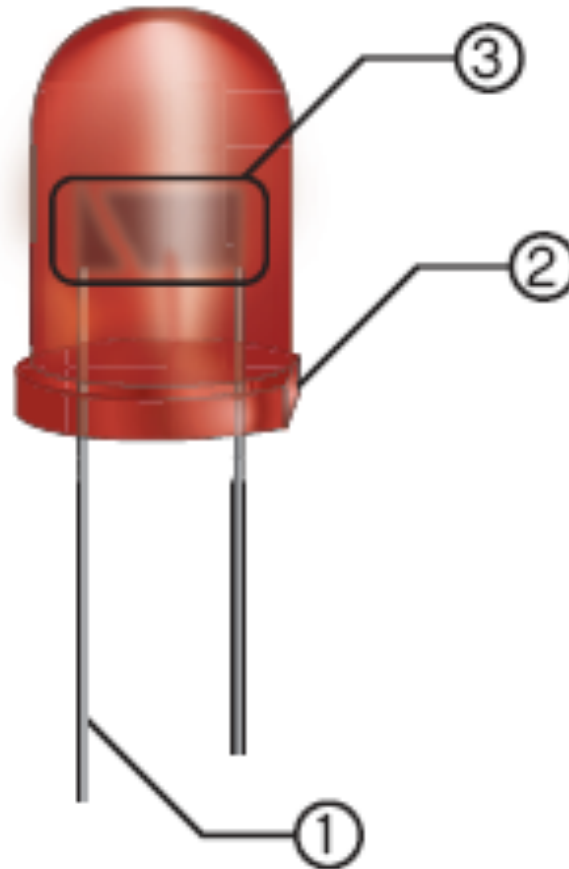
Exercise 1: Simple circuit

- Use foil, electrical tape, battery (1.5v) , LED



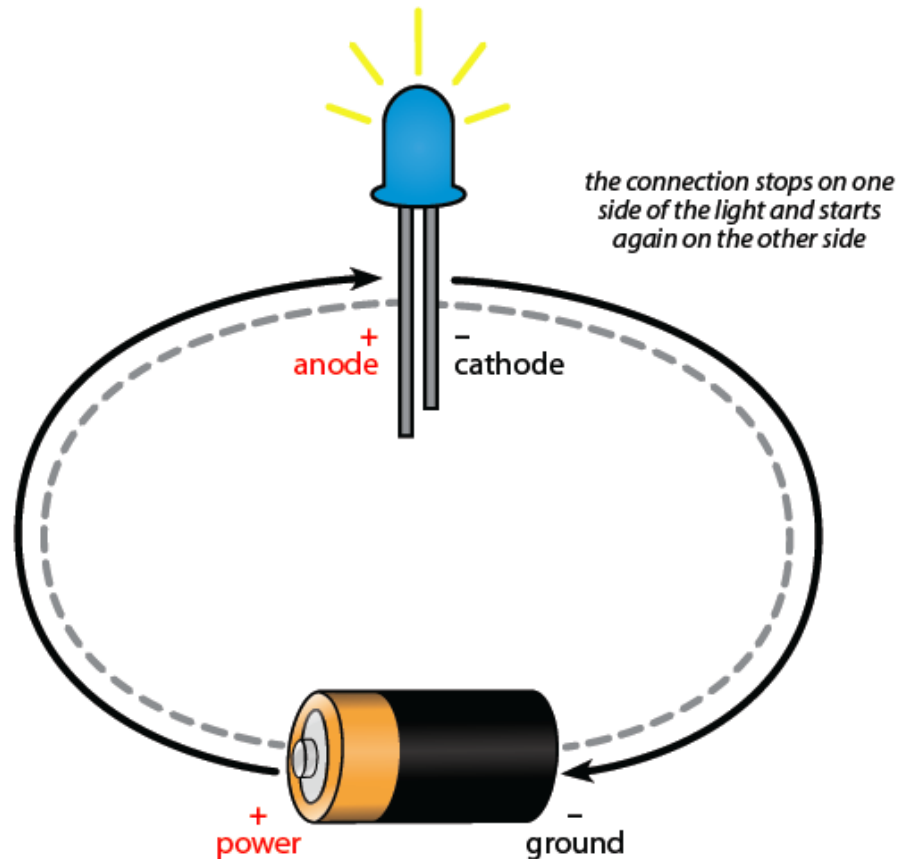
LED

□ Polarity



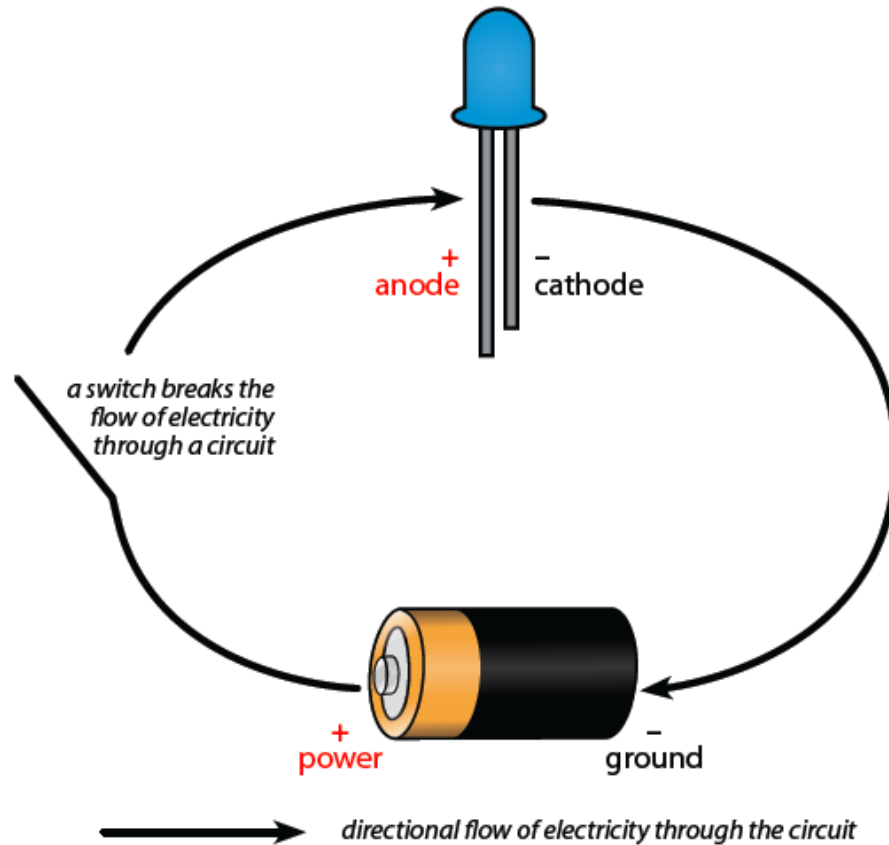
Exercise 1.5: Simple circuit

- Use foil, electrical tape, battery (3V) , LED



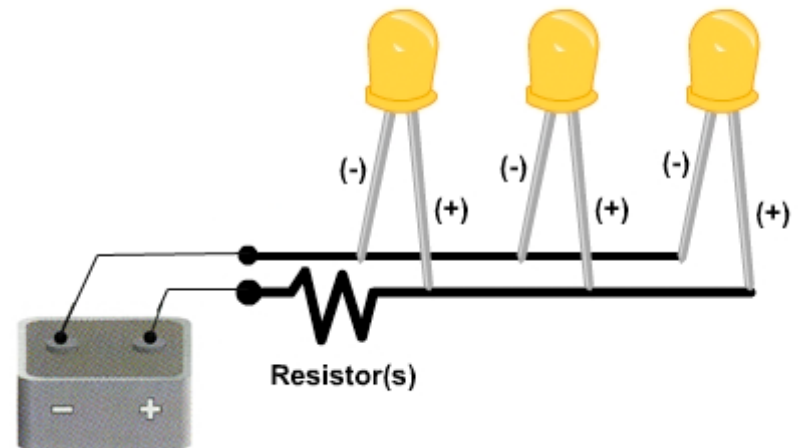
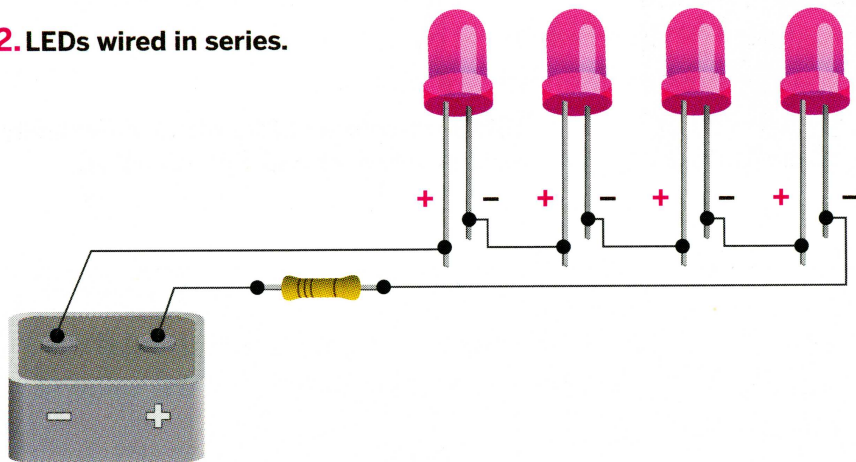
Exercise2: Simple circuit with a switch

- Use foil, electrical tape, battery (3V) , LED



- Connecting LEDs in series
- Connecting LEDs in parallel

2. LEDs wired in series.



Studio Activity: Design a simple LED circuit

- Team exercise
- Paper
- One switch / 5-6 LEDs
- 3 volt
- IMPORTANT
 - ▣ Aesthetic quality of your circuit design (switch, LEDs)
 - ▣ Pattern, Shadow



