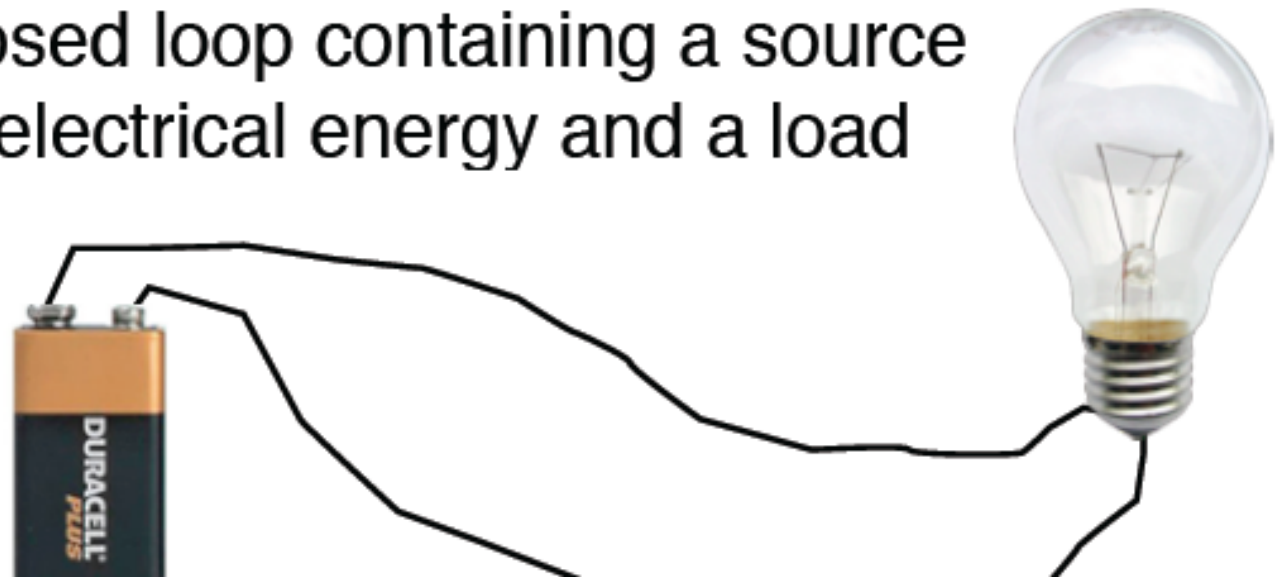




Circuit

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



SHORT Circuit

a circuit with no load



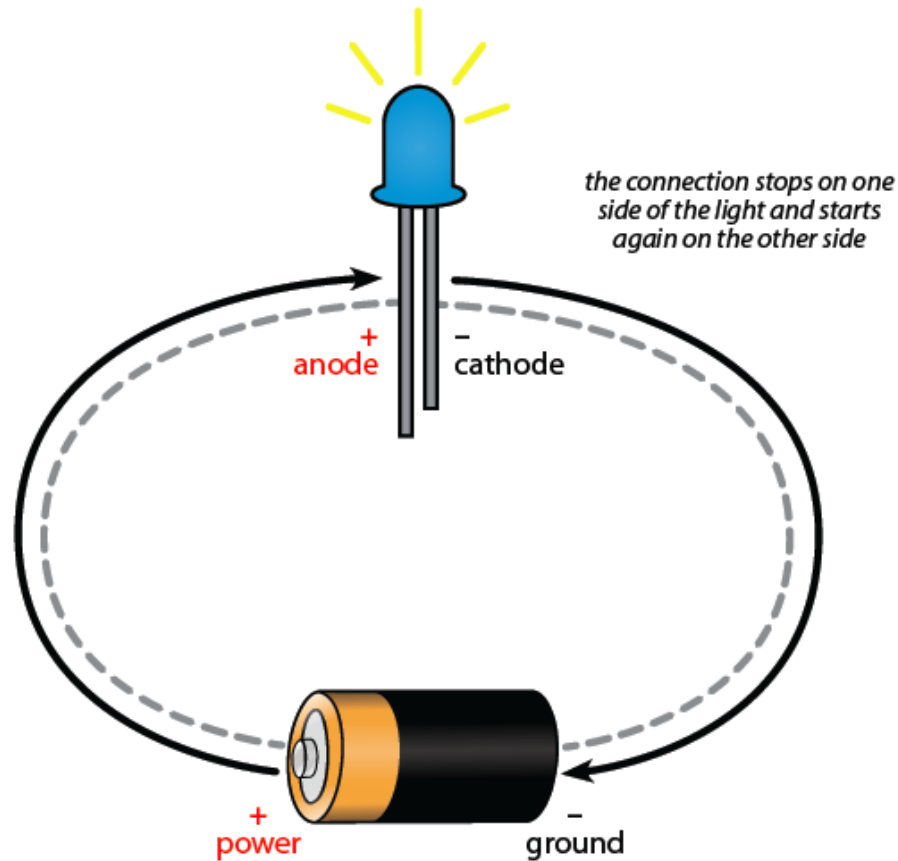
smoke!

exploding
batteries!

melted
wires!

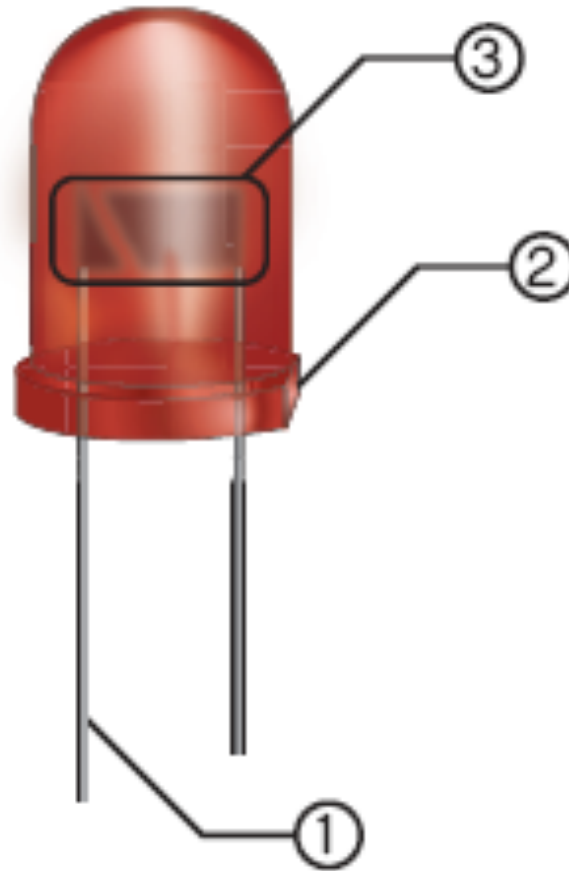
Exercise 1: Simple circuit

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



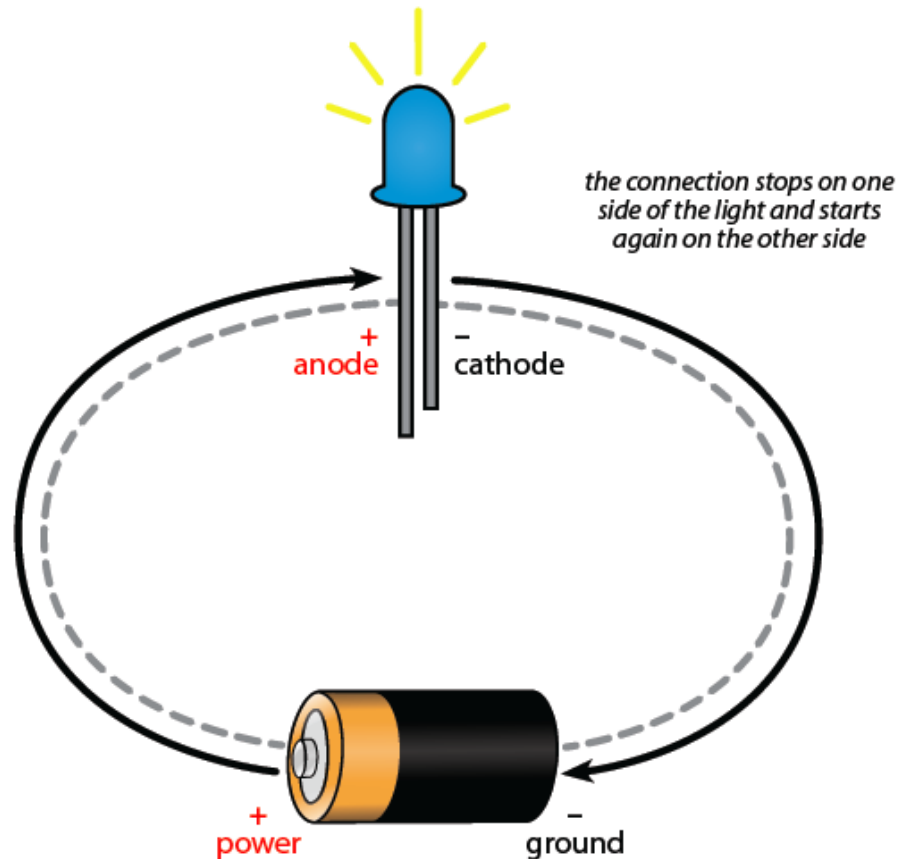
LED

□ Polarity



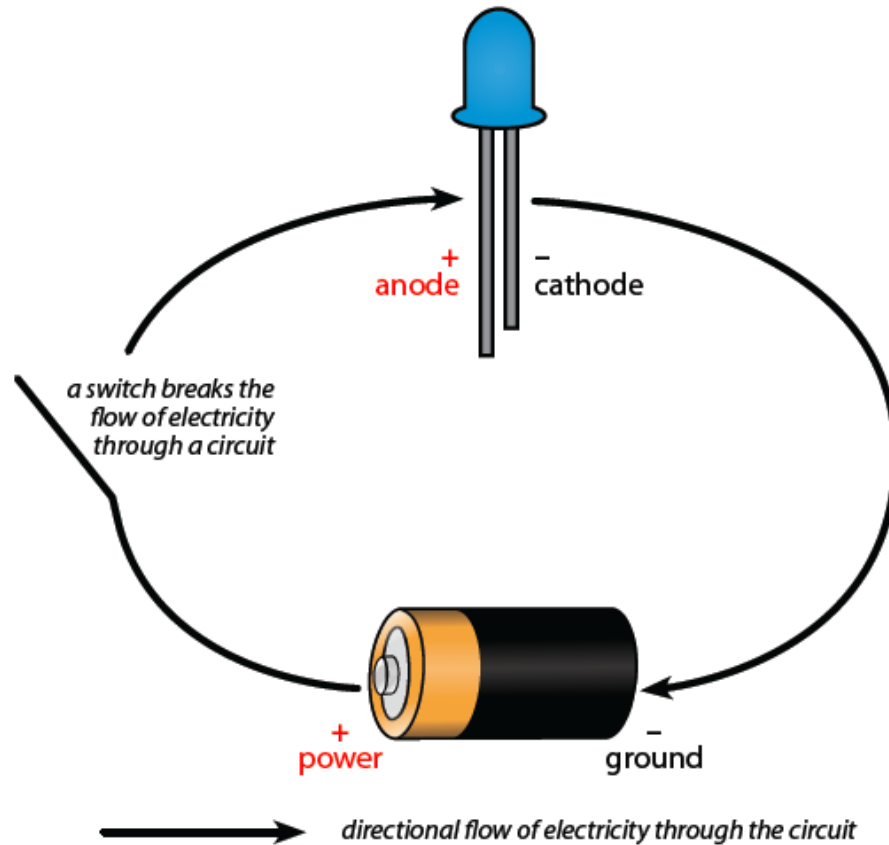
Exercise 1.5: Simple circuit

- Use your conductive materials, electrical tape, battery (3V), LED



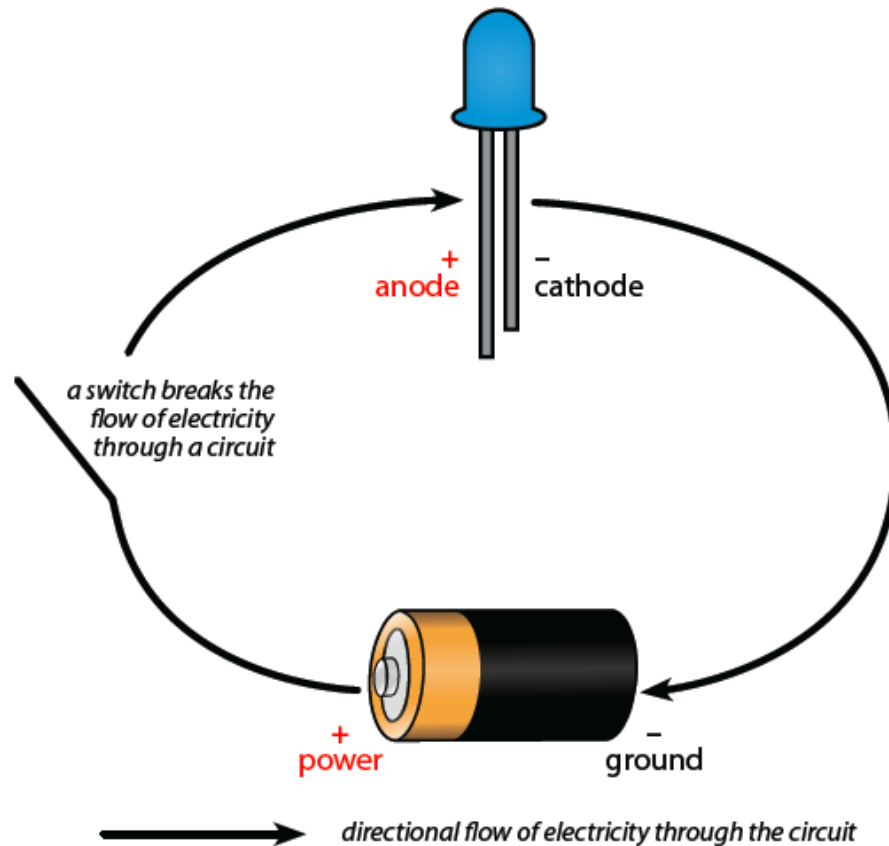
Exercise 2: Simple circuit with a switch

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



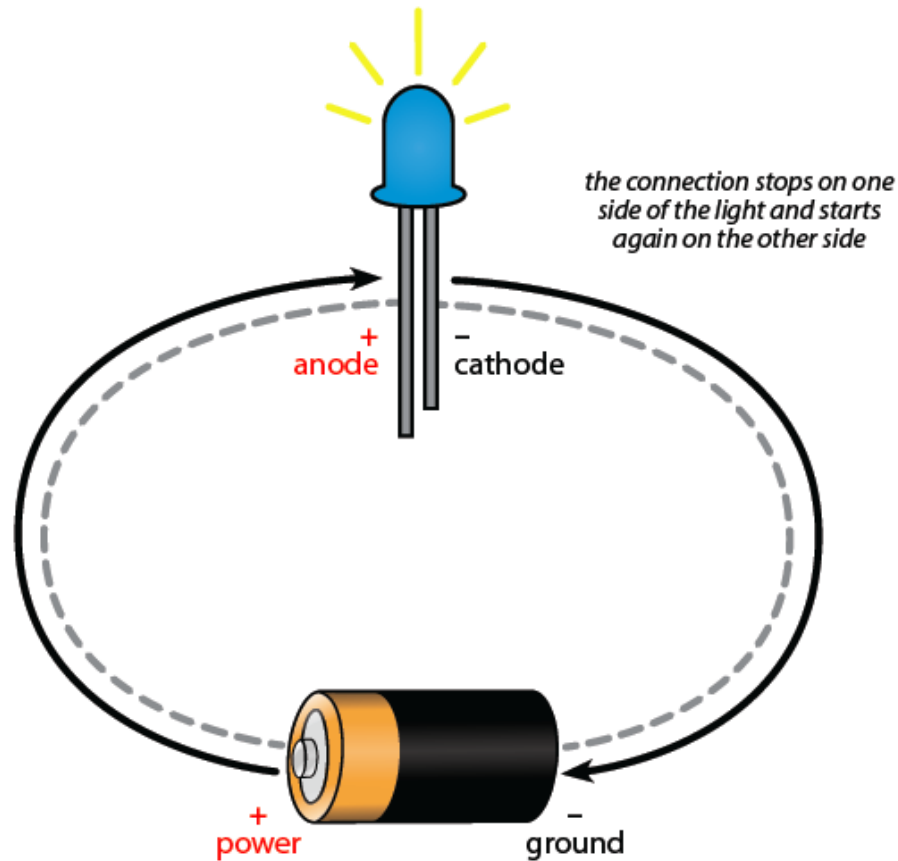
Exercise 2.5: Simple circuit with a switch

- Design a circuit using your conductive materials



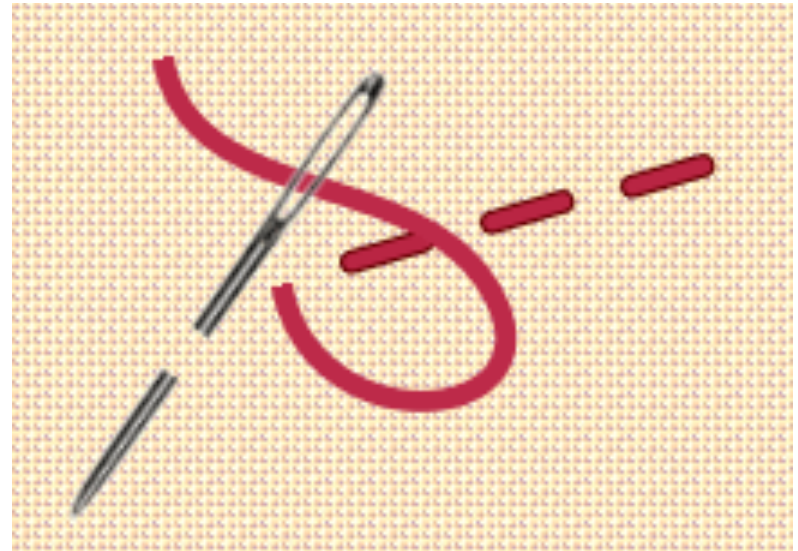
Exercise 3: Soft-circuit

- Use conductive thread, battery (3V) , LED



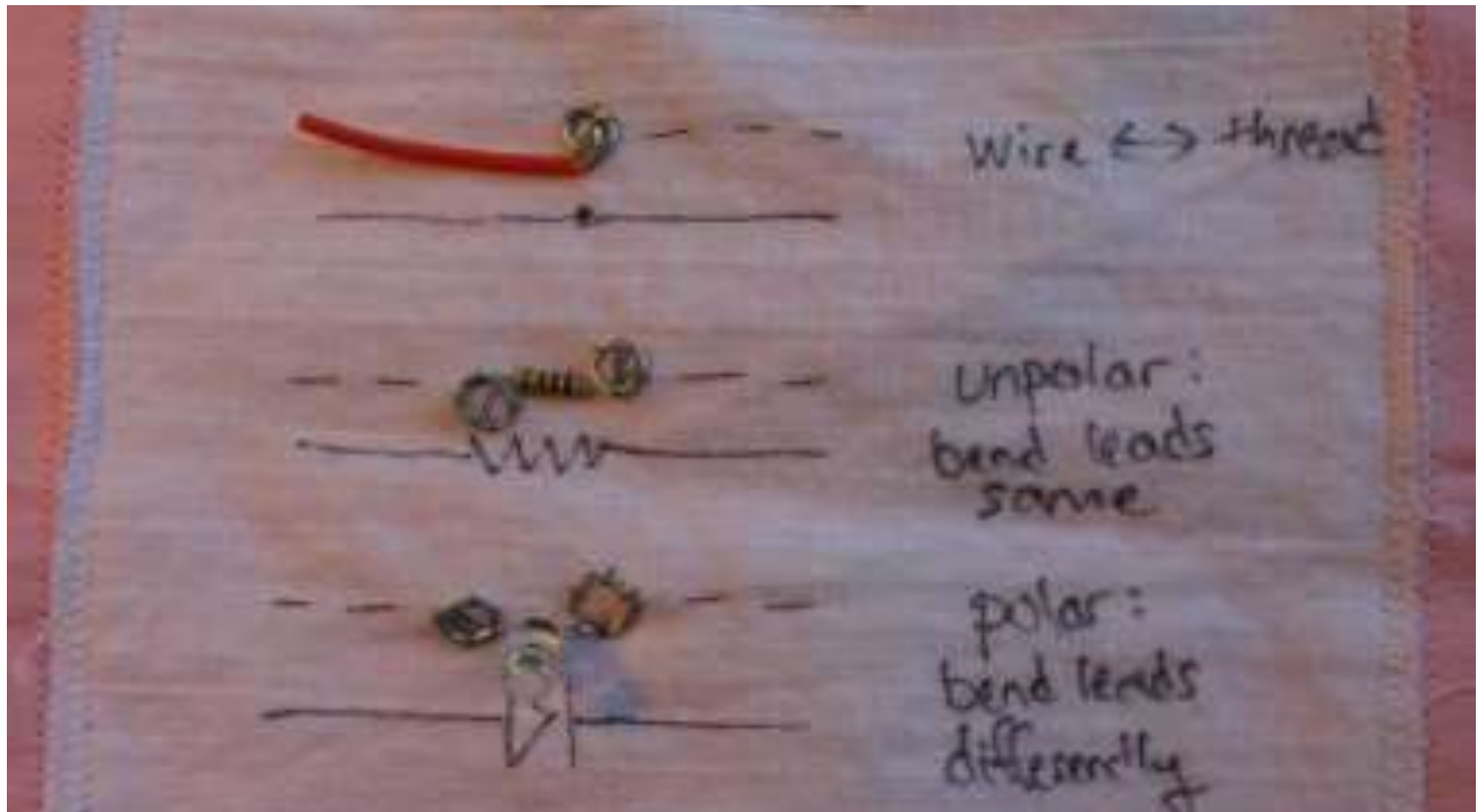
Hand sewing practice

- Running stitch
- Double thread



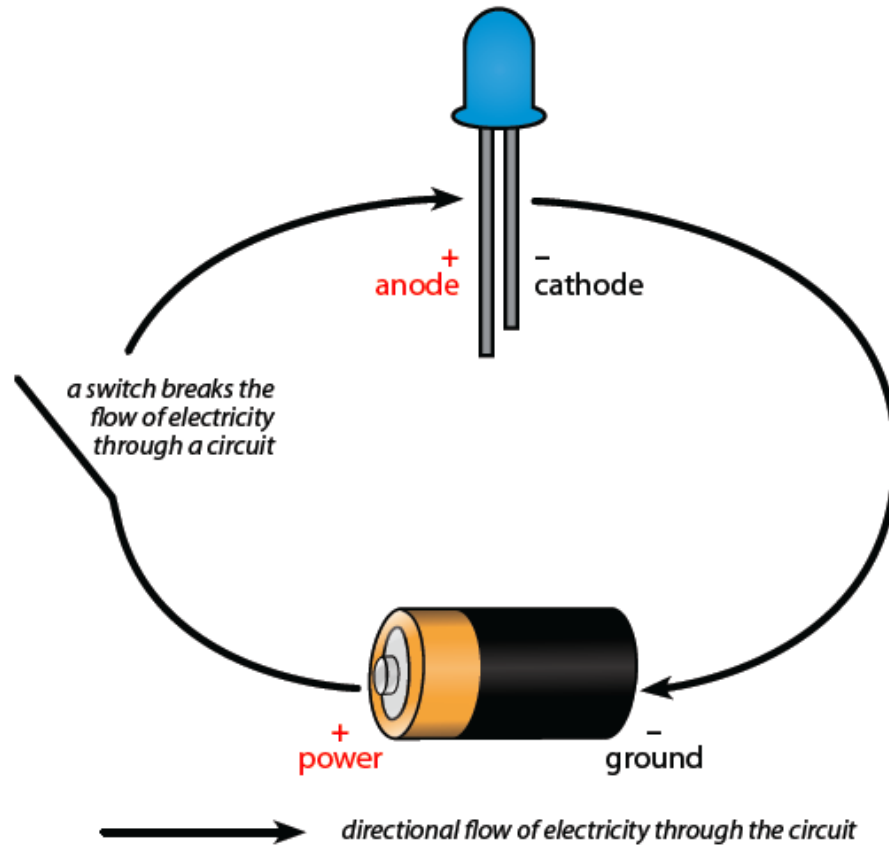
<http://www.youtube.com/watch?v=k6657ZhHWgl>

Sewing with components



Exercise 3.5: Soft-circuit with a switch

- Create a soft push-button (switch)



How to make an soft-switch

