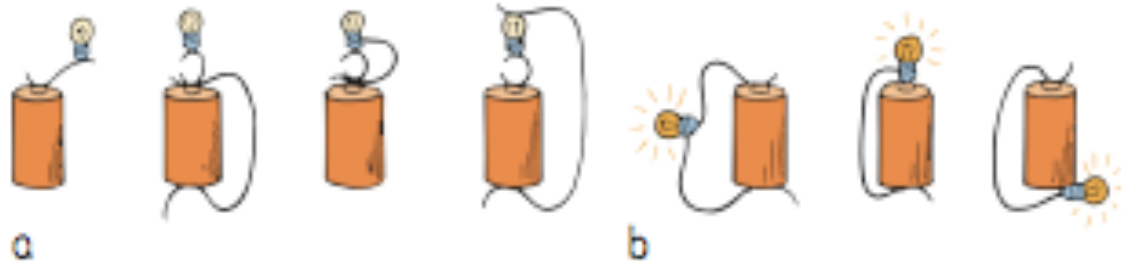


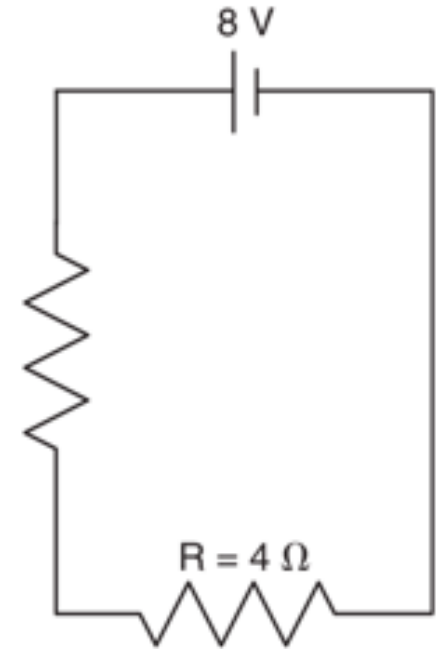
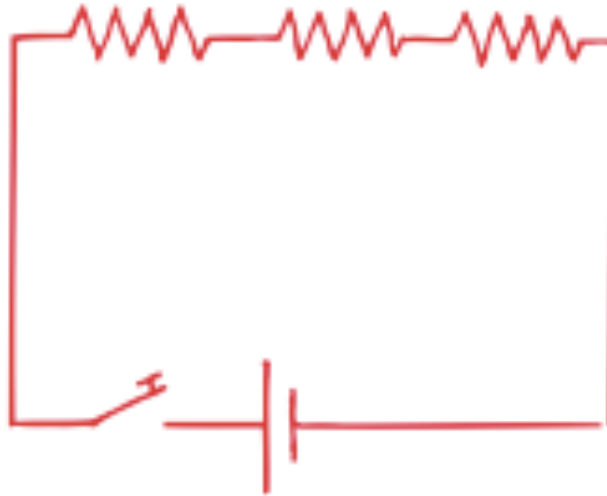
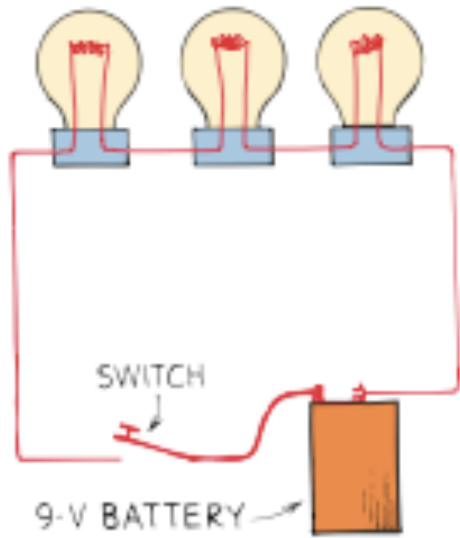
# Intro to Circuits

# Electric Circuits

- A **circuit** is a closed loop in which **electric current** can flow.
  - Electric current = the flow of electric charge
- The simplest circuit requires a minimum of three things:
  - A source of electrical potential energy or voltage
    - Battery
  - A conductive path which would allow for the movement of charge
    - Wires
  - An electrical resistance (something that uses electricity to do work)
    - Light bulbs



# Diagramming Electric Circuits



Battery



Wire



Resistor



Switch