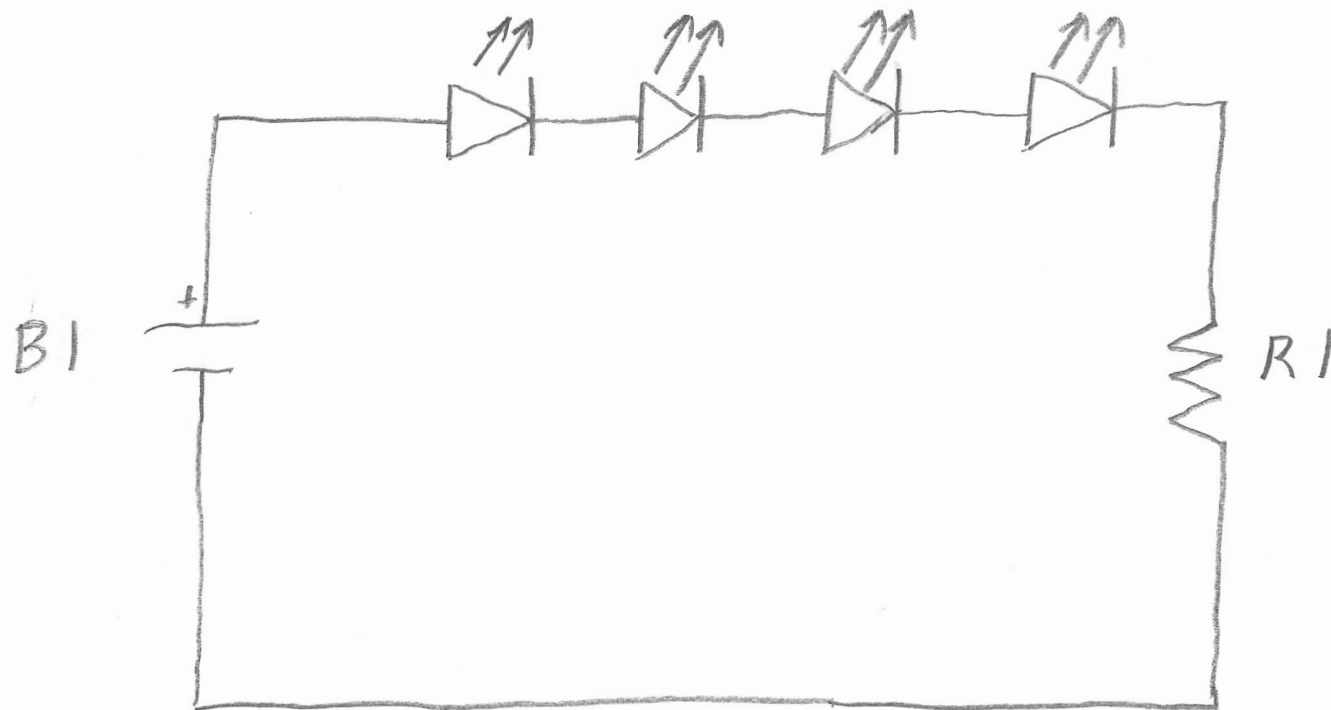


LEDs IN SERIES

①



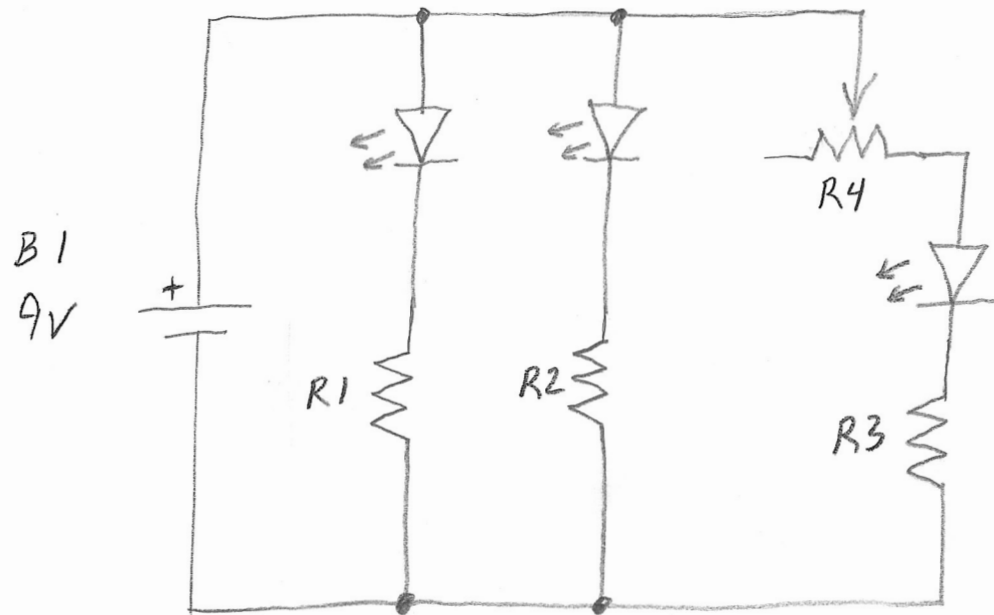
B1 3V or 9V?

R1 51Ω or 360Ω ?

© Supercharged Science

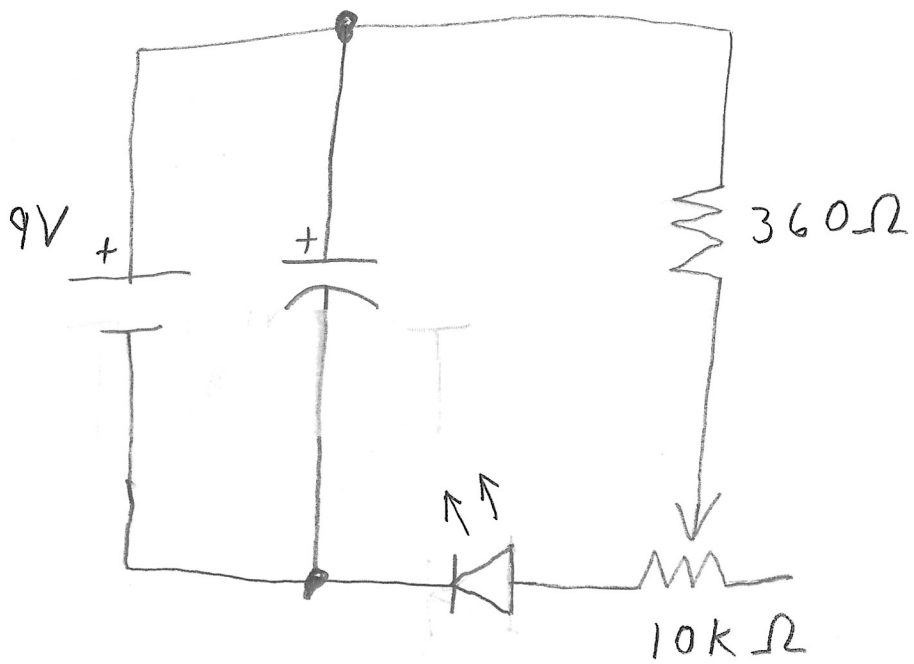
2

CONTROLLING LED BRIGHTNESS

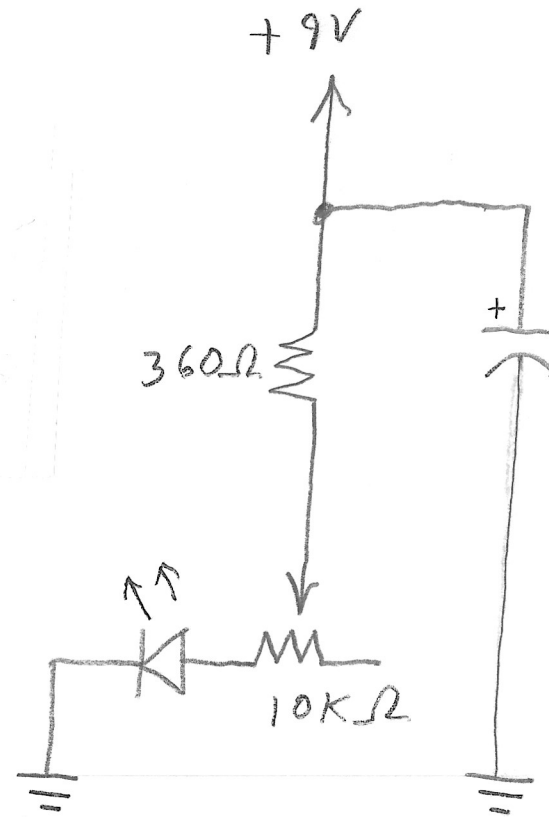


B1 9V
R1, R2, R3 360Ω
R4 10KΩ POT
D1, D2, D3 LED (solid color)

CAPACITORS * AND VARIABLE RESISTORS (3)



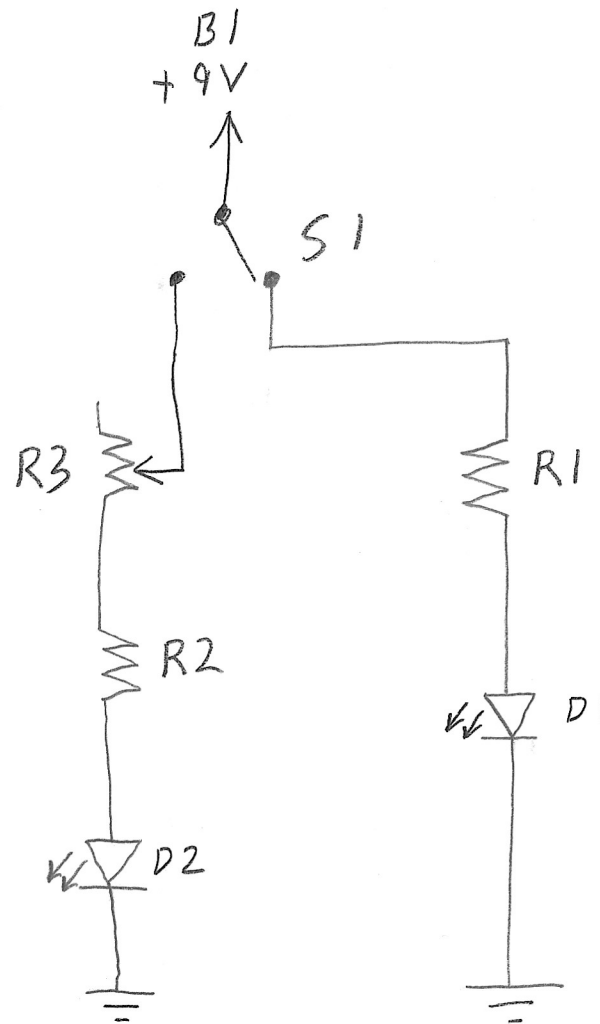
* shows two different ways to draw a schematic.



© Supercharged Science

USING SLIDE SWITCHES

4



- B1 9V Battery
- R1, R2 360 Ω Resistor
- R3 10k Ω Pot
- D1, D2 LED (should be solid & same color)
- S1 SPDT Slide Switch