## ✓ Check Your Understanding

 Draw a circuit that contains two motors and a lamp, connected in parallel. Include two switches: one to operate the lamp and one to control the whole circuit.











 $\leftarrow$ 



e.) Is it possible to operate bulbs B and C independently of each other?

4. A circuit was made with 3 cells, each with a voltage of 2.0 V. There were 2 lamps connected in parallel. An ammeter was connected right after the battery and read 5.8 A. There was also a resistor connected in series with both lamps.

- Draw the circuit and indicate the direction of electron flow
- Calculate the resistance of the circuit at the point of the ammeter

