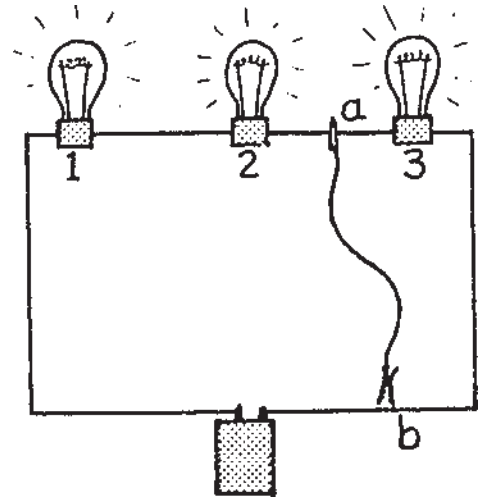


The simple series circuit consists of three identical lamps powered by a battery. When a wire is connected between points *a* and *b*,



- what happens to the brightness of lamp 3?
- does current in the circuit increase, decrease, or remain the same?
- what happens to the brightness of lamps 1 and 2?
- does the voltage drop across lamps 1 and 2 increase, decrease, or remain the same?
- is the power dissipated by the circuit increased, decreased, or does it remain the same?