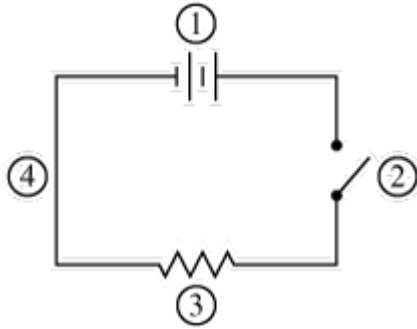


ELECTROMAGNETISM: OPEN RESPONSE #9

Reporting Category: Electromagnetism

Standard: 5.3 - Analyze simple arrangements of electrical components in both series and parallel circuits. Recognize symbols and understand the functions of common circuit elements (battery, connecting wire, switch, fuse, resistance) in a schematic diagram.

The diagram below shows a circuit with four numbered electrical components.



- Identify each of the numbered components of the electric circuit **and** describe its function.
- The current in the circuit is 0.5 A. Describe **two** changes to the circuit that would decrease the current in the circuit.