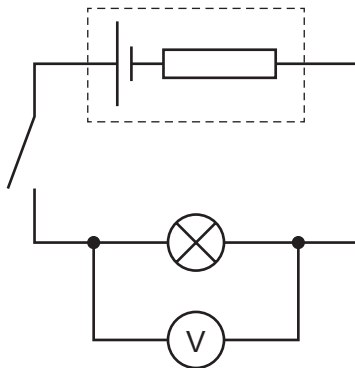


36 The diagram shows a circuit.



Which statement about the circuit is **not** correct?

- A** Electromotive force is the energy transferred per unit charge.
- B** Energy is transferred from chemical potential energy in the cell to other forms when the switch is closed.
- C** The electromotive force of the cell is greater than the terminal potential difference when the switch is closed.
- D** When the switch is open, the voltmeter measures the electromotive force of the cell.

37 A circuit contains a battery of electromotive force \mathcal{E} and a resistor of resistance R . The