

36 A cell of internal resistance $0.5\ \Omega$ is connected to a fixed resistor of resistance $10\ \Omega$.

The resistance of the resistor is changed to $20\ \Omega$.

Which statement is **not** correct?

- A** The current in the circuit will halve.
- B** The e.m.f. of the cell will remain constant.
- C** The power dissipated by the fixed resistor will decrease.
- D** The terminal p.d. of the cell will increase.