

- 35** A cell with constant electromotive force (e.m.f.) is connected across a fixed resistor. Over time, the internal resistance of the cell increases.

Which change occurs as the internal resistance of the cell increases?

- A** a decrease in the charge of each charge carrier
- B** a decrease in the potential difference measured across the cell
- C** an increase in the energy dissipated per unit time in the fixed resistor
- D** an increase in the number of charge carriers leaving the cell per unit time