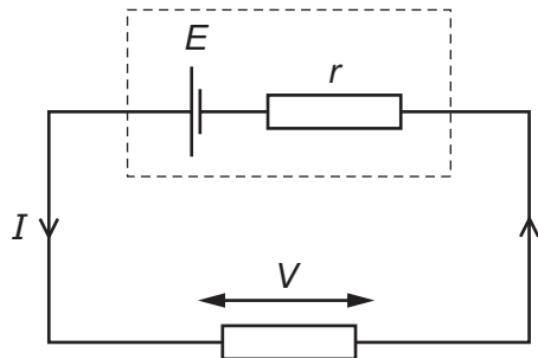


- 32 A cell of electromotive force E and internal resistance r is connected to an external resistor, as shown.



The current in the circuit is I and the potential difference (p.d.) across the external resistor is V .

In the equation $(E - V) = Ir$, what does the term $(E - V)$ represent?

- A electrical energy per unit charge lost in the cell
- B electrical energy per unit charge lost in the complete circuit
- C electrical energy per unit charge lost in the connecting wire
- D electrical energy per unit charge lost in the external resistor

- 33 Tensile strain may be measured by the change in electrical resistance of a device called a strain