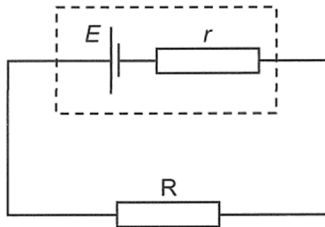


- 26 A cell of e.m.f.  $E$  is connected in series with a resistor  $R$ .



The potential difference across  $R$  is  $V_R$ . The potential difference across the internal resistance  $r$  of the cell is  $V_r$ .

What is the energy transferred by the cell in driving unit charge round the complete circuit?

- A**  $V_R - V_r$       **B**  $V_R$       **C**  $E - V_r$       **D**  $E$
- 27 The resistivity of aluminium is 2.0 times that of silver. An aluminium wire of length  $l$  and diameter