

- 31** A resistor of resistance  $R$  is connected across a cell of electromotive force (e.m.f.)  $E$  and negligible internal resistance.

Which single change to the circuit would lead to the largest increase in the power dissipated in the resistor?

- A** doubling the value of  $E$
- B** doubling the value of  $R$
- C** halving the value of  $E$
- D** halving the value of  $R$