

**33** There is a current in a resistor for an unknown time.

Which two quantities can be used to calculate the energy dissipated by the resistor?

- A** the current in the resistor and the potential difference across the resistor
- B** the resistance of the resistor and the current in the resistor
- C** the total charge passing through the resistor and the potential difference across the resistor
- D** the total charge passing through the resistor and the resistance of the resistor