

**25** The element of an electric heater is made from a coil of resistance wire.

Which changes would double the power output of the electric heater?

- A** doubling the length of the wire leaving the radius and potential difference (p.d.) across the coil unchanged
- B** doubling the p.d. and doubling the length of the wire leaving the radius of the wire unchanged
- C** doubling the p.d. and doubling the radius of the wire leaving the length of the wire unchanged
- D** doubling the radius of the wire leaving the length and p.d. across the coil unchanged

**26** A 2V cell is connected in series with a filament lamp and a variable resistor, as shown.