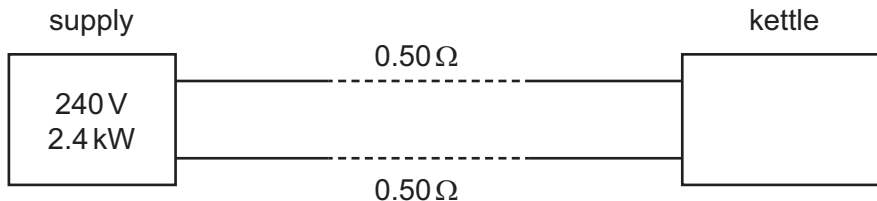


- 32** The power output of an electrical supply is 2.4 kW at a potential difference (p.d.) of 240 V . The two wires between the supply and a kettle each have a resistance of $0.50\ \Omega$, as shown.



What is the power supplied to the kettle and what is the p.d. across the kettle?

	power / kW	p.d. / V
A	2.3	230
B	2.3	235
C	2.4	230
D	2.4	235

- 33** Which graph shows the variation of voltage V with current I for a semiconductor diode?