

**35** The potential difference across a resistor is 12 V. The current in the resistor is 2.0 A.

4.0 C passes through the resistor.

What is the energy transferred and the time taken?

	energy / J	time / s
<b>A</b>	3.0	2.0
<b>B</b>	3.0	8.0
<b>C</b>	48	2.0
<b>D</b>	48	8.0

**36** A thermistor and another component are connected to a constant voltage supply. A voltmeter is