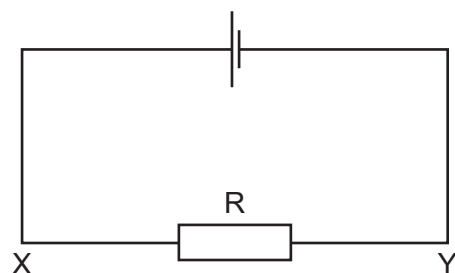**31** The current in the circuit shown is 4.8 A.

What is the direction of flow and the rate of flow of electrons through the resistor R?

	direction of flow	rate of flow
A	X to Y	$3.0 \times 10^{19}\,s^{-1}$
B	X to Y	$6.0 \times 10^{18}\,s^{-1}$
C	Y to X	$3.0 \times 10^{19}\,s^{-1}$
D	Y to X	$6.0 \times 10^{18}\,s^{-1}$

Space for working