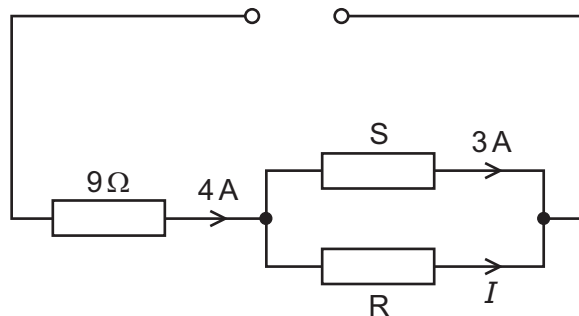


38 The circuit below has a current I in the resistor R.



What must be known in order to determine the value of I ?

- A** e.m.f. of the power supply
- B** resistance of resistor S
- C** Kirchhoff's first law
- D** Kirchhoff's second law

39 An experiment in which α particles were deflected by a gold foil produced new insights into the