

- 27** The resistivity of aluminium is 2.0 times that of silver. An aluminium wire of length L and diameter d has resistance R .

What is the diameter of a silver wire, also of length L and resistance R ?

- A** $0.50 d$ **B** $0.71 d$ **C** $1.4 d$ **D** $2.0 d$

- 28** In the circuit, the battery has an e.m.f. of 12 V and an internal resistance of $3.0\ \Omega$. The ammeter