

17 A wire of resistance  $R$  has a length  $l$  and a circular cross-section of radius  $r$ .

Which wire, made of the same material, has a resistance  $\frac{R}{2}$ ?

	length	radius
A	$l$	$\frac{r}{2}$
B	$l$	$2r$
C	$2l$	$\frac{r}{2}$
D	$2l$	$2r$

18 A car has a 12V battery. When the engine is started, the current in the starter motor circuit is