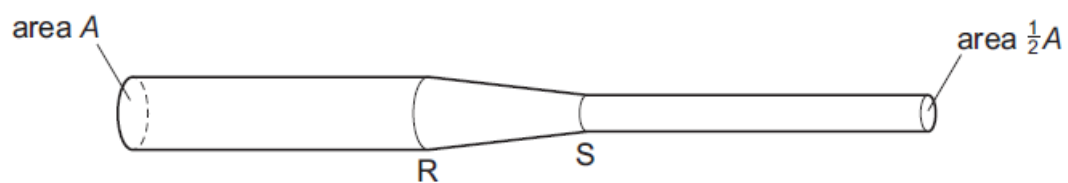


- 21 A length of wire is connected into a circuit.



The area of the cross-section of the wire changes from A at R to $\frac{1}{2}A$ at S.

Charge Q passes R in time t .

What is the charge passing point S in the same time t ?

A $\frac{1}{2}Q$

B Q

C $\sqrt{2}Q$

D $2Q$