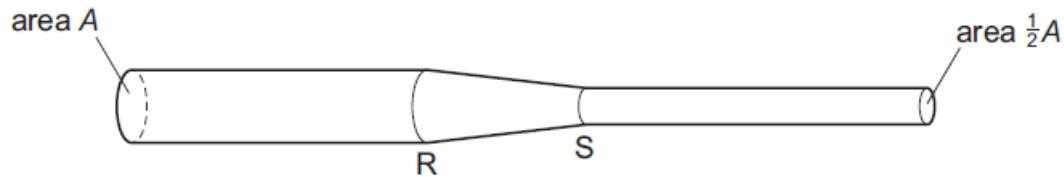


- 21** A length of wire is connected into a circuit.



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**  $2Q$