

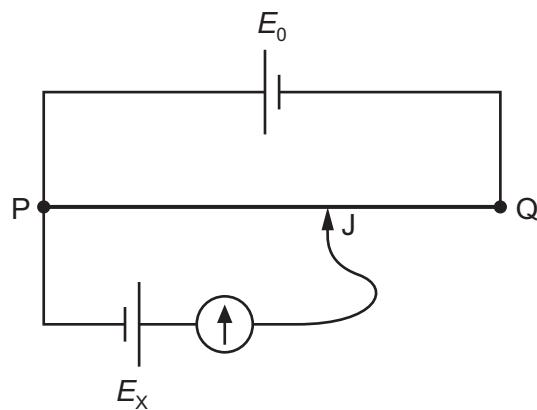
- 37 A potentiometer circuit is used to determine the electromotive force (e.m.f.) E_x of a cell. The circuit includes a second cell of known e.m.f. E_0 and negligible internal resistance, and a uniform resistance wire PQ of known length.

E_x is less than E_0 .

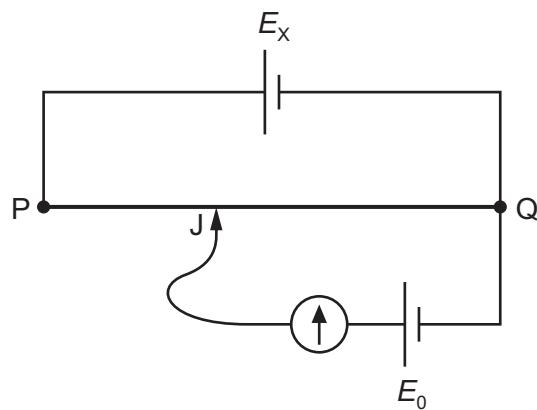
The movable connection J can be positioned anywhere along the length of the resistance wire.

Which circuit is suitable for determining E_x ?

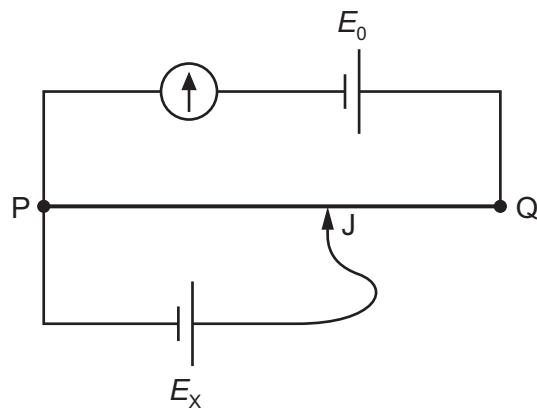
A



B



C



D

