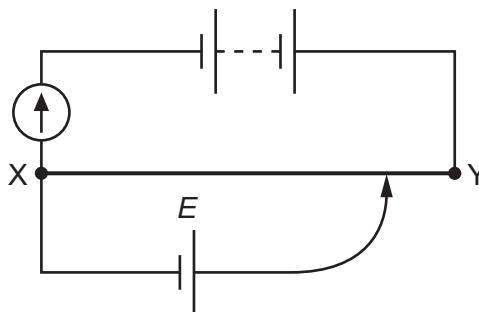


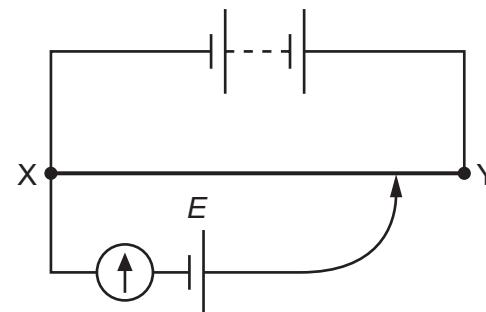
- 36** A potentiometer circuit may be used to determine the unknown electromotive force (e.m.f.)  $E$  of a cell. The circuit diagrams shown include a battery of known e.m.f. and negligible internal resistance, a uniform resistance wire XY and a galvanometer.

Which circuit diagram shows a suitable arrangement for determining  $E$ ?

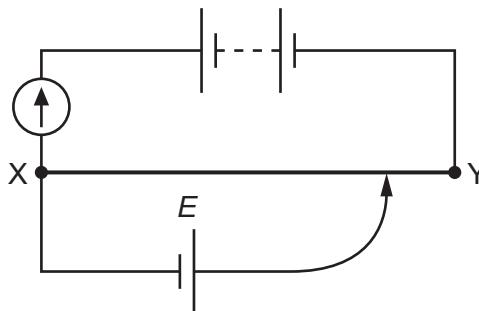
**A**



**B**



**C**



**D**

