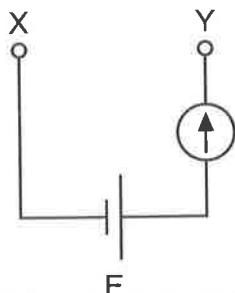
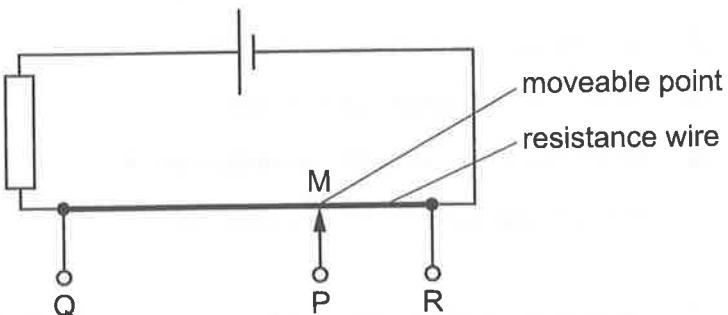


22 A cell E and a galvanometer are to be connected into a potentiometer circuit by terminals X and Y.



circuit of cell to be connected



potentiometer circuit

The potentiometer is a length of resistance wire with ends connected to Q and R. Point P is connected to a moveable point M on the wire. The electromotive force (e.m.f.) of cell E is less than the e.m.f. of the cell in the potentiometer circuit.

Which connections allow the e.m.f. of cell E to be balanced by the potential difference across part of the resistance wire?

	connection to X	connection to Y
A	Q	P
B	R	Q
C	Q	R
D	R	P

