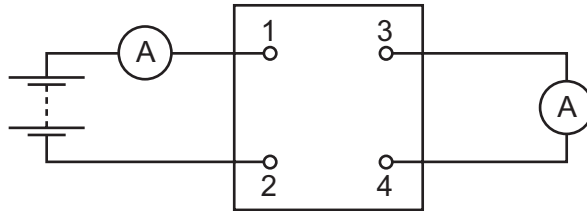


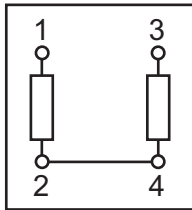
- 38** The diagram shows a four-terminal box connected to a battery and two ammeters.



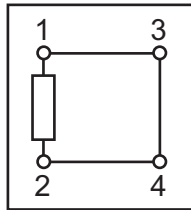
The currents in the two meters are identical.

Which circuit, within the box, will give this result?

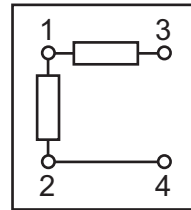
**A**



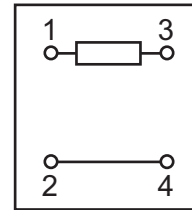
**B**



**C**



**D**



- 39** A material contains a radioactive isotope that disintegrates solely by the emission of  $\alpha$  particles at