

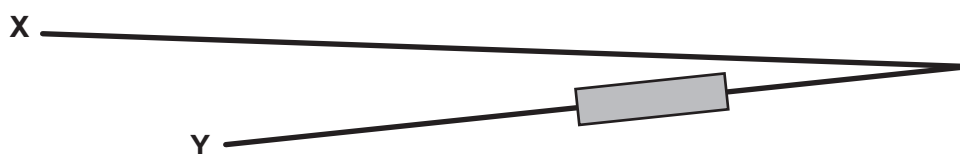
**SECTION B****Task B4 (45 minutes)**

Two wires of different materials are joined together. You are going to carry out an investigation to determine the position of the join.

**Repeat readings are not required for this task. An additional measurement is required for part (e)(ii).**

- (a) (i) Complete the following diagram to show the circuit that has been set up for you.

[2]



- (ii) Write a plan to describe how you would use your circuit to investigate how resistance varies with length starting from point **X**.

[3]

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