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The temperature of the thermistor is increased. The temperature of the resistor is kept constant.

What is observed on the voltmeter and the ammeter?

	Voltmeter reading	Ammeter reading		
Α	decreases	increases	0	
в	increases	increases	0	
с	no change	increases	0	
D	no change	no change	0	





Turn over ►



The table shows the lengths and cross-sectional areas of two wires **X** and **Y** of the same metal.

Wire	Length / cm	Cross-sectional area / mm ²
x	47	0.10
Y	23	0.40

The resistance of **X** is $6.0 \ \Omega$.

The temperature of \boldsymbol{Y} is the same as the temperature of $\boldsymbol{X}.$

What is the resistance of Y?

 A 0.12Ω \bigcirc

 B 0.73Ω \bigcirc

 C 1.2Ω \bigcirc

 D 3.1Ω \bigcirc



[1 mark]

Do not write outside the

box













Turn over ►

box













Do not write outside the box