

Answer ALL questions.

1 A student was asked to investigate how changing the temperature of a diode will change the potential difference at which the diode starts to conduct.

(a) Draw a labelled diagram showing how she could carry out this investigation using school laboratory apparatus.

(4)

(b) Identify one safety issue with this investigation and how it may be dealt with.

(2)

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(Total for Question 1 = 6 marks)

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