

Question 2

You are going to use a number of different Light Emitting Diodes (LEDs) to determine a value for the Planck constant.

- (a) (i) Draw a circuit diagram of the electrical circuit that has been set up for you. [3]

- (ii) What name is given to component **X**? [1]

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- (iii) Adjust component **X** until the blue LED **just** lights up. Note down a value for the potential difference, V_{\min} , across it. [1]

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