

- 6 Two metal plates X and Y are contained in an evacuated container and are connected as shown in Fig. 6.1. Metal plate X is then illuminated with monochromatic light.

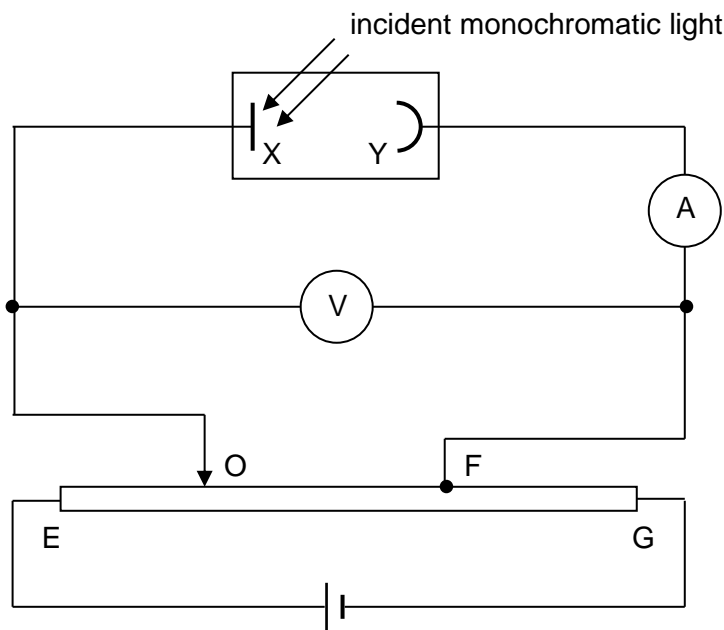


Fig. 6.1

The graph shown in Fig. 6.2 depicts the relationship between the voltmeter reading V and the ammeter reading I .

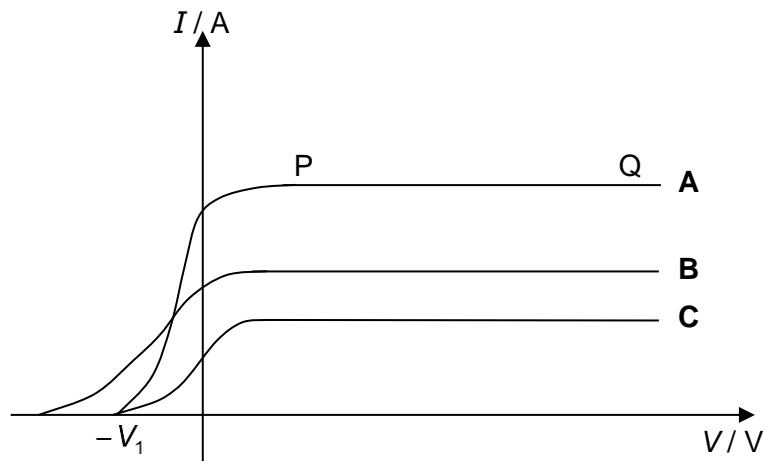


Fig. 6.2 (not to scale)

[4]

- $$V_1 = \dots\dots\dots V \quad [2]$$

- graph B:
-
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- graph C:
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- [2]