

- (c) Complete the following graph. Start by labelling and choosing an appropriate scale for the potential difference axis. [4]

- *Potential difference axis labelled with unit (V) (1)*
- *All points plotted correctly to within $\frac{1}{2}$ division (2)*
Penalise 1 mark for each incorrect plot to a maximum penalty of 2
- *Appropriate smooth curve of best fit (1)*

- (d) From the graph, determine the value of the potential difference when the current **begins** to flow through the diode. [1]

*Value consistent with graph and unit
(No significant figure penalty)*