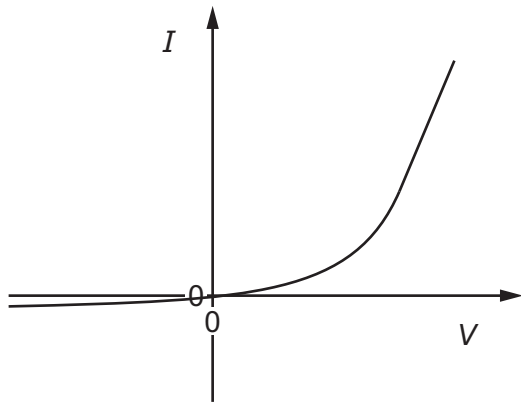


**33** The graph shows the  $I$ – $V$  characteristic for a semiconductor diode.



Which statement can be deduced from the graph?

- A** Above a certain positive potential difference the diode obeys Ohm's law.
- B** Current is directly proportional to potential difference when the current in the diode is in one direction.
- C** The diode has zero resistance when the current in the diode is in one direction.
- D** The resistance of the diode depends upon the potential difference across it.