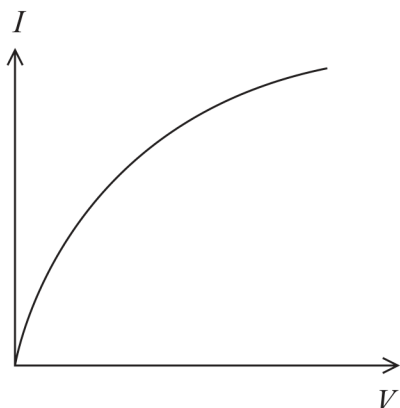
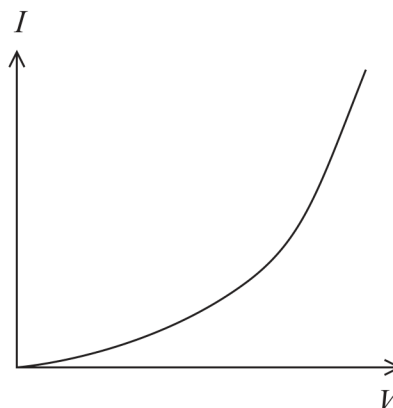


- \*16 The graphs show how current  $I$  varies with potential difference  $V$  for a filament bulb and for a negative temperature coefficient thermistor.



**Filament bulb**



**Thermistor**

Explain the shape of each graph. Your answer should include reference to the movement of conduction electrons in each component.

(6)