

- 4 The temperature of a thermistor is increased.

Which row in the table identifies the effect of the temperature increase on the number of conduction electrons and the amplitude of lattice vibrations?

	Number of conduction electrons	Amplitude of lattice vibrations
<input type="checkbox"/> A	increases	increases
<input type="checkbox"/> B	decreases	increases
<input type="checkbox"/> C	increases	stays the same
<input type="checkbox"/> D	decreases	stays the same

(Total for Question 4 = 1 mark)