

**33** A car has sensors for detecting the light intensity and temperature of its environment.

The sensors make use of a light-dependent resistor (LDR) and a thermistor.

The car moves from a warm and dark environment into a cold and bright environment.

What are the changes to the resistances of the LDR and thermistor?

	resistance of LDR	resistance of thermistor
<b>A</b>	increases	increases
<b>B</b>	increases	decreases
<b>C</b>	decreases	increases
<b>D</b>	decreases	decreases

**34** A student has a circuit with a thermistor and a variable resistor.