

- 9 The number of conduction electrons in a light dependent resistor changes as light intensity increases.

Which of the following best explains how the number of conduction electrons changes?

- ☐ A It decreases because the lattice ions vibrate with a larger amplitude.
- ☐ B It increases because the lattice ions vibrate with a larger amplitude.
- ☐ C It increases because the electrons gain energy from the photons of light.
- ☐ D It decreases because electrons are released due to the photoelectric effect.

(Total for Question 9 = 1 mark)