

6 When the photoelectric effect occurs, light incident on the surface of a metal releases electrons.

Which of the following is an experimental observation of the photoelectric effect?

- ☐ A Electrons are only released after light has been incident for a long time.
- ☐ B Increasing the frequency of the light increases the maximum kinetic energy of the released electrons.
- ☐ C Increasing the intensity of the light increases the maximum kinetic energy of the released electrons.
- ☐ D Only light with a wavelength above a threshold value releases electrons.

(Total for Question 6 = 1 mark)