

**6** When monochromatic light is incident on the surface of a metal, electrons are emitted by the photoelectric effect.

If other conditions are unchanged, the maximum kinetic energy of the electrons will be increased by

- ☐ **A** increasing the frequency of the incident light.
- ☐ **B** increasing the intensity of the incident light.
- ☐ **C** using a metal with a higher threshold frequency.
- ☐ **D** using a metal with a higher work function.

**(Total for Question 6 = 1 mark)**