

**27** Which of the following statements is **true** when the photoelectric effect occurs?

- A** The maximum speed of emitted electron is proportional to the intensity of the incident light.
- B** The maximum energy of the emitted electrons increases with the wavelength of the incident light.
- C** The number of electrons emitted per unit time is proportional to the intensity of the incident light.
- D** The wavelength of the incident light must be greater than a certain threshold value.