

- 27** Which of the following statements is a correct statement of an observation of the photo-electric effect?
- A** The higher the work function of the metal, the higher the kinetic energy of an emitted electron.
  - B** The stopping potential is the amount of energy required to stop the most energetic electron.
  - C** It takes place instantaneously as a single photon transfers all its energy to an electron.
  - D** It cannot take place unless the intensity of the radiation is above a threshold value.