

- 27** When a beam of light of wavelength  $\lambda$  is incident normally on a plane mirror, it is reflected totally. The intensity of the light corresponds to a rate of  $n$  photons per second.

Which of the following expressions gives the force exerted on the mirror by the beam of light?

**A**  $nh\lambda$

**B**  $\frac{nh}{\lambda}$

**C**  $2nh\lambda$

**D**  $\frac{2nh}{\lambda}$