

- 28** When light of frequency  $f_1$  is incident on a metal surface, the maximum energy of the emitted electrons emitted is  $E_1$ . When the same surface is illuminated with light of frequency  $f_2$ , the maximum energy of the emitted electrons emitted is  $E_2$ .

What is the Planck constant given by?

**A**  $\frac{f_2 E_1 + f_1 E_2}{f_1 f_2}$

**B**  $\frac{f_2 E_1 - f_1 E_2}{f_1 f_2}$

**C**  $\frac{E_1 + E_2}{f_1 + f_2}$

**D**  $\frac{E_1 - E_2}{f_1 - f_2}$