

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