

- 28** In an experiment to demonstrate the photoelectric effect, light of intensity L and frequency f is incident on a metal surface. The maximum photoelectric current is I and the stopping potential is V_s .

What change, if any, will occur in the maximum photoelectric current and the stopping potential if light of the same intensity L but of frequency $2f$ is incident on the surface?

	Maximum photoelectric current	Stopping potential
A	I	greater than $2V_s$
B	less than I	greater than $2V_s$
C	I	equal to $2V_s$
D	less than I	equal to $2V_s$