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In a photoelectric effect experiment, a metal electrode in an evacuated tube is illuminated with a monochromatic lamp that produces light of wavelength λ . The rate of photons incident on the metal electrode was n and stopping potential was found to be V_s .

The lamp is replaced with one that has double the intensity and produces light of wavelength λ .

What are the expected new rate of photons incident on metal electrode and stopping potential?

	Stopping potential	Rate of photons incident
A	More than $2V_s$	n
B	More than $2V_s$	$4n$
C	Less than $2V_s$	n
D	Less than $2V_s$	$4n$