

Answer: Option B

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26. If the wavelength of incident radiation is increased in photoemission then
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|---|---|
| <u>A.</u> The maximum kinetic energy of the photoelectrons increases. | <u>B.</u> The minimum kinetic energy of the photoelectrons decreases. |
| <u>C.</u> The minimum kinetic energy of the photoelectrons increases. | <u>D.</u> The average kinetic energy of the photoelectrons decreases. |

Answer: Option D

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27. If a photon is reflected from the mirror then the change in momentum of each photon is
- A. zero

Answer: Option B

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28. If n number of photon are striking on a metal surface then total momentum exerted is

Answer: Option A

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29. A photon of wave length 900nm behaves like a particle of mass
- | | |
|---|---|
| <u>A.</u> $5.53 \times 10^{-36}\text{kg}$ | <u>B.</u> 0 kg. |
| <u>C.</u> $2.46 \times 10^{-36}\text{kg}$ | <u>D.</u> $1.84 \times 10^{-44}\text{kg}$ |

Answer: Option C