

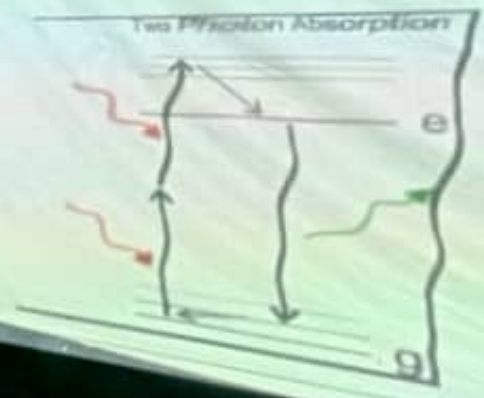


Conclusion

- The interaction of electromagnetic radiation with matter is a fundamental concept with widespread applications
- Understanding the interaction of radiation with the environment is crucial for mitigating risks
- Understanding these interactions leads to innovations in technology, healthcare, and environmental protection

(2) WHEN TWO PHOTONS ARE ABSORBED

When two photons or particles of incident light are absorbed by a molecule or more, such type of reaction is called "biphotonic" photochemical reaction which occur by the interaction of two excited molecules here the rate of reaction is directly proportional to square of light intensity because of their long life triplet states are involved in the second of these processes, and provide a mechanism by which cleavage of high energy bonds takes place, and this may be affected by lower energy of photon particles.



Intramolecular Stetter Reaction

Involves the formation of a new α,β -unsaturated carbon-carbon bond through a Stetter reaction.

The carbonyl compound reacts intramolecularly with an α,β -unsaturated carbonyl compound, resulting in the formation of a new bond and the release of a β -carbonyl fragment.

Example reaction:



Shot on Y15
Vivo AI camera

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