



| | Page 4 | |
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| Q. 3 | Distinguish between Fluorescence and Phosphorescence. | |
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| | Fluorescence | Phosphorescence |
| | 1) It is abcorption of energy by atoms | i) It is absorption of energy by |
| | | atoms or molecules followed by delayed |
| | emission of light or electromagnetic | emission of electromagnetic radiation. |
| | radiation. | |
| | | 2) The emission of rediation remains |
| | | |
| | | of course of excitation. |
| | | some life time before its transition |
| | to be every state. | to low energy state. |
| | | 4) Phosphorescent oppear to gloco in |
| | immediate flash or afterglow | dark because of slow emission of light |
| | on excitation. | over time. |
| | 5) It is the radiation emmited | 5> It is the radiation emmited in |
| | in a transition between states of | a transition between states of |
| | some multiplicity. | different multiplicity. |
| | es for example, colcium fluoride | (6) for example, zenc sulphide, |
| | sodium, iodine and mercury | calcium supphide, borium supphide |
| | rapones. | and stantium sulphide. |
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| Sundaram | FOR EDUCATIONAL USE | |