

**Photochemical reactions**

$h\nu \rightarrow AB^*$ , the rate of formation of  $AB^*$  is directly proportional to

1. The formation of starch in plants results from
  - (a) Photosynthesis
  - (b) Photolysis
  - (c) Flash photolysis
  - (d) None of the above
2. The photolysis of water gives the substance
  - (a)  $OH^- + H^+$
  - (b)  $H_2 + OH^-$
  - (c)  $H_2 + O_2$
  - (d)  $H_2O + H_2O_2$
3. The law of photochemical equivalence was given by
  - (a) Drapper
  - (b) Grauths
  - (c) Einstein
  - (d) Labbert
4. If ' $I$ ' is the intensity of absorbed light and  $C$  is the concentration of  $AB$  for the photochemical process  $AB +$

- (a)  $C$
- (b)  $I$
- (c)  $I^2$
- (d)  $C.I$

