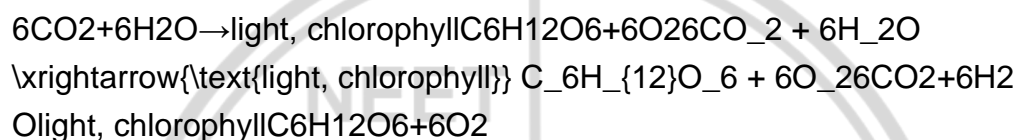


## Photochemical reactions

### 1. (a) Photosynthesis

#### Explanation:

- Starch is a carbohydrate stored in plants.
- It is formed from glucose produced during **photosynthesis**, which occurs in the chloroplasts of plant cells.
- The general photosynthesis reaction is:



- Glucose molecules are then polymerized to form **starch** for storage:



- Photolysis** refers to the splitting of water molecules during the light-dependent reactions of photosynthesis.
- Flash photolysis** is a laboratory technique to study fast photochemical reactions, not a biological process in plants.

#### Conclusion:

Starch formation in plants is directly linked to **photosynthesis**.



3. (c) Stark - Einstein was given the law of photochemical equivalence.

4. (b) In photochemical reaction the rate of formation of product is directly proportional to the intensity of absorbed light.

