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STUDY MATERIAL SCIENCE

CLASS-VII

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► 8. Reproduction in plants

Dispersal by Animals

Some seeds have hooks or spines which get attached to the fur or body of the grazing animals. When these animals move to a distant place, the seeds get dispersed (while animal rub their body surface)

e.g. fruit of Xanthium and Urena plants are covered by numerous hooks which attach to the animal's fur and are dispersed with them. Along with the fruits, the seeds also get dispersed.

Dispersal by Explosion or Bursting of Fruits

Sometimes fruits mature and a strain is produced in their walls. This produces a sudden jerk causing fruits to break open, thus allowing the seeds to scatter far away from their parent plants. Due to the explosion of fruit, the seeds are thrown away from the plant with a great force in all direction.

e.g. castor plant burst suddenly with a jerk and scatter the seeds far away from the parent plant. Similarly, fruit of balsam is also dispersed through the explosion mechanism.