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STUDY MATERIAL SCIENCE

CLASS-VII

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► 8. Reproduction in plants

Benefits of Seed Dispersals

- ✧ Seed dispersal avoids overcrowding of young plants around their parent plants.
- ✧ It helps in preventing competition between the plants and its own seedlings for sunlight, water and minerals.
- ✧ One of the benefits of seed dispersal is that it enables the plant to grow into new habitats for wider distribution and provides them with a better chance of survival.

Germination of Seed

A seed contains a plant embryo in a resting state which begin to grow only under favourable conditions. The process by which seeds begin to grow is called **seed germination**. It is the growth of a plant from its seed. When the seed germinates, the seed coat splits and a tiny root called **radicle** grows downward and shoot called **plumule** starts growing upwards. This produces seedling of the plant.

The seedling grows faster and ultimately forms a new plant. When the plant starts maturing, it bears flower which again produces seed and fruits. This cycle continues to produce more offsprings for the preservation of a species