

Tender Heart High School, Chandigarh

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Class-VI

Subject: Biology

Chapter-2

The Flower

Date: 13.5.24

Teacher: Nimrita

Good Morning children!

This lesson is of Class-VI for the subject of Biology, Chapter-2, 'The Flower' of your textbook 'Concise Biology', Selina Publications. It is being submitted to you on 13th May, 2024.

In the last class, we studied about pollination. Today, we will study about fruit, seed and germination.

Fruit:-

A fruit is a ripened ovary.

Apple and pear are false fruits as thalamus becomes fleshy and is eaten in these types of fruits.

Pericarp:-

A fruit contains pericarp and seeds. Pericarp is a fruit wall which develops from the ovary. It has three parts:-

Epicarp:- It is the outer covering of the fruit

Mesocarp:- It is the edible middle layer.

Endocarp:- It is the inner hard part of the fruit.

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Fleshy fruits: The pericarp of this fruit is soft and fleshy. eg: Mango.

Dry fruits: Pericarp is not pulpy and encloses the seed eg: Pea Pod.

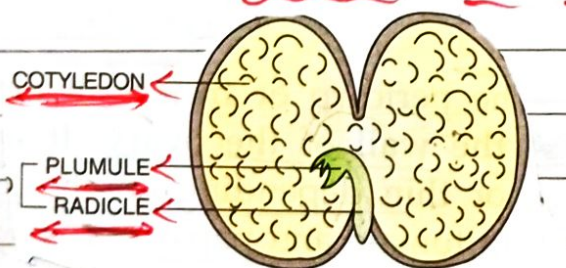
Functions of fruits:-

- Fruits store food and help in dispersal of seeds.

Structure of seed:-

A seed is a fertilized ovule. Cotyledons store food. Plumule make future shoot. Radicle makes future root.

Structure of seed



Parts of a germinating bean seed

Types:-

Monocot seed:- It has one cotyledon eg: Maize.

Dicot seed:- It has two cotyledons. eg: Bean.

Germination:- The process by which an embryo within the seed becomes active and grows into a young plant.

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Conditions necessary for germination:-

- 1) Water
- 2) Air
- 3) Favourable temperature

I am ending today's topic. Kindly do Long answer questions 1, 3, 8, 10 in notebook.

Thank you!

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