

Grade-4

Biology

Ch-2 Lesson-3

How do plants reproduce?



10/11/2020

Q1. Define the following.

- i. Pollination: The transfer of pollen grains from the stamen to the pistil is called pollination.
- ii. Fertilization: Fertilization occurs when the sperm cell combines with the egg cell.

Q2. What are the four main parts of a flower?

A2. The four main parts are -:

1. Petal
2. Sepal
3. Pistil
4. Stamen

Q3. Which part of the flower produces egg cells?

A3. The pistil is the female organ. It produces egg cells.

Q4. What are the different ways of pollination?

A4. Pollination is carried by wind, insects, birds and other animals.

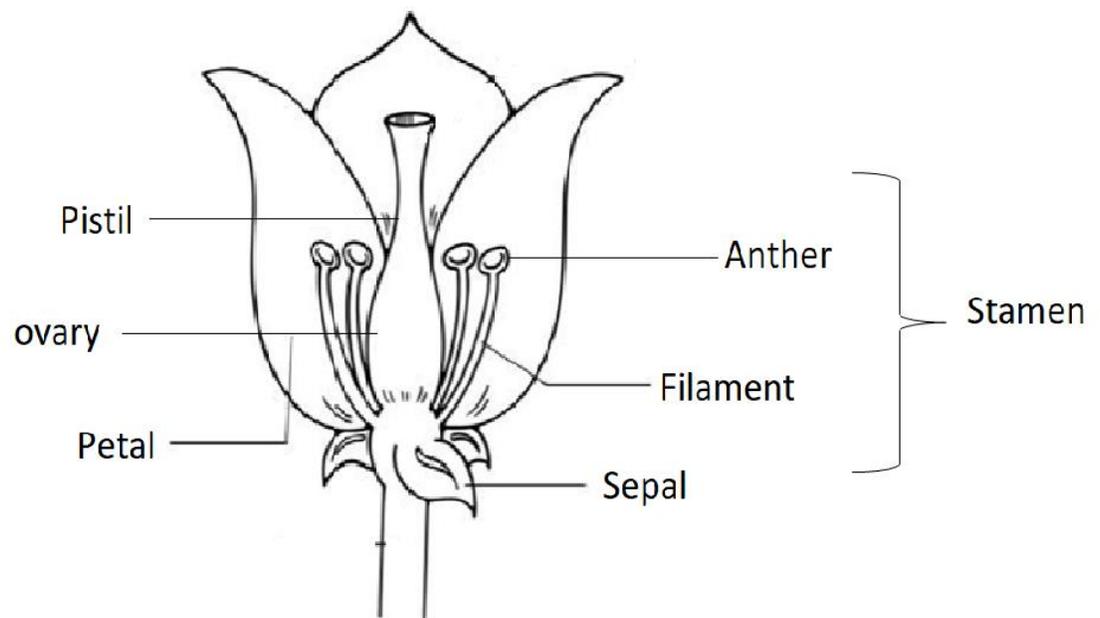
Q5. What happens after fertilization takes place?

A5. 1. Fertilized egg develops into a seed.

2. The ovary grows into a fruit.

3. Petals and stamens dry up and fall off.

Q6. Color and label the parts of a flower.



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What is the life cycle of a plant?



Q1. What does a seed need to germinate?

A1. Seed needs sunlight, water, oxygen and right temperature to germinate.

Q2. How are seeds scattered by animals?

A2. Through the digestive system of animals.

By hooks that get attached to animals fur.

By animals that gather or bury seeds.

Q3. Why is it important that seeds are scattered away from their parent plant?

A3. Seeds would be able to get better living space and resources they need.

Q4. Describe how are spores different from seeds.

A4. A spore is much smaller than a seed. A spore is made up of one tiny cell, but seeds are multicelled. We need a microscope to see a spore.

Q5. What is meant by dormant seed?

A5. If a seed does not get what it needs it stays in a state of rest. This seed is called dormant seed.

Q6. What are some ways that plants reproduce without seeds?

A6. Some plants grow from stems, roots or leaves. Tulip grows from bulbs, strawberries grow from runners and potatoes grow from eyes.

Q7. What are the differences and similarities between bulbs and runners?

A7. Bulbs are a type of underground stem that store food and grow underground.

Runners are long stems that grow along the ground. Both produce new plants without seeds.

Q8. Draw, label and color a seed.

