## Plant Life Cycles

plants With Seeds what happened when a Seed opens?

What Most plants come from seeds When a seed opens, it germinates, and a small plant grows out of it. After some time, the plant grows into an adult plant, which forms flowers in some types of plants.

Flowers enable plants to reproduce. Flowers have male and female parts, which is why they are able to reproduce.



When a seed is in soil and watered, it breaks open and germinates. The tiny plant that comes out of it is a seedling.

Plant that grows from a seed.



what does?

The seedling grows into an adult plant. The adult plant makes flowers. In a flowering plant, seeds are produced in the flowers.



Inside each seed is a plant in its first stage of development. The hard covering is the seed's protection.

The flower falls off the plant, then the plant makes fruit in its place. The fruit then has the seeds in it, and when it falls to the ground, the cycle starts again.



Popcorn is a seed, too. When popcorn is heated, it explodes!

the fruit falls to the

Some plants form their seeds in cones, without the heip of nowcis.



Cones are the part of a plant where reproduction occurs. They do not develop into fruit, like flowers do. This pinecone has seeds in it that will grow into several new pine trees.





Define Pallen

who helps move pollen?

\*why is pollination important?

Ls it helps plants make Socials and grow now Plants

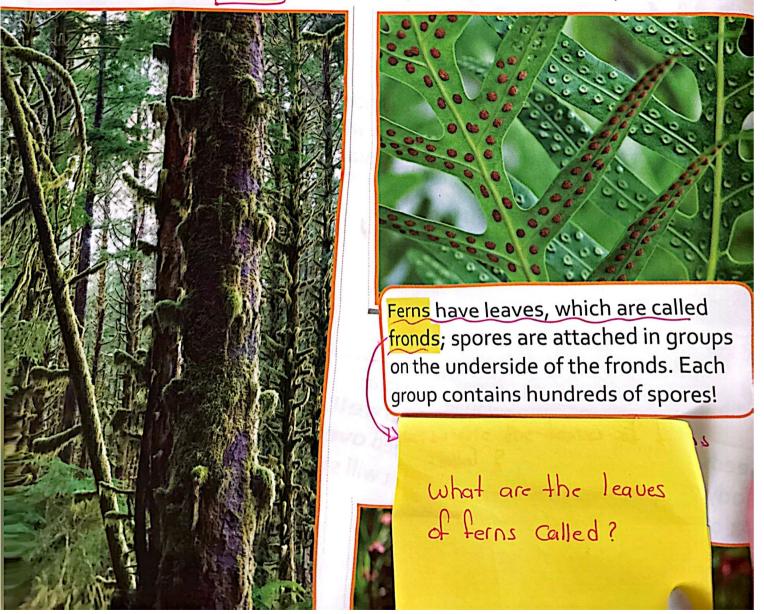
Pollen is a powder-like substance that helps plants reproduce Pollination occurs when pollen is moved from a male plant part to a female plant part. Different animals, like birds and bees, help move pollen from plant to plant. Wind and water also help in the pollination process. Once a plant is pollinated, seeds form in the female part of the flower and eventually form into a fruit. The part of the flower that surrounds the seeds grows into a fruit. Without pollination, a flower will not make seeds or grow fruit.

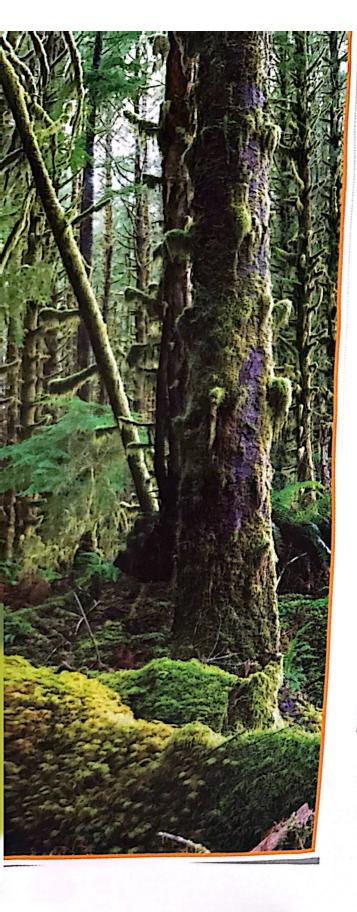
What happens after Pollina tion?

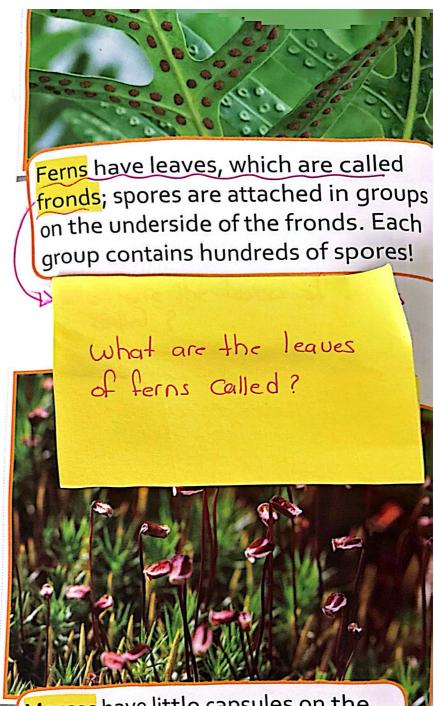


## Plants With Spores -xwhat do some plants use to reproduce instead of seed?

Some plants do not reproduce through the help of flowers, seeds, or cones. The only reproduce through spores. Like seeds, spores grow into new plants as well







Mosses have little capsules on the end of their stalks that contain spores. When the capsules dry out, they release the spores into the air.

What happens when moss caprule dry out?

