

Nova's Botanical Wonders: The Life of Plants

Explore the green world with Nova! Become a plant expert today.

- **Roots play a vital role by anchoring the plant in the soil and absorbing water and essential minerals to help the plant stay healthy.**
- **The stem acts as a transport system, carrying water from the roots to the leaves and flowers while providing structural support.**
- **Leaves are the food factories of the plant, using sunlight, carbon dioxide, and water to create energy through a process called photosynthesis.**
- **Flowers are not just for beauty; they contain the reproductive parts of the plant, including the stamen and pistil, which are necessary to create seeds.**
- **For a seed to germinate, it requires the right environment: specific temperatures, access to water, and oxygen, though it does not yet need sunlight.**

Did you know? Did you know? Plants are the ultimate survivalists! Some plants, like the sunflower, perform 'heliotropism', which means the flower head slowly turns to follow the sun across the sky throughout the day to soak up as much light as possible.

Key vocabulary: Photosynthesis · Germination · Stamen · Pistil · Nutrients · Transpiration · Chlorophyll