

Name _____

Inside the Plant: Exploring the Anatomy of Vascular Plants

Short Answer Key

1. Roots in vascular plants anchor the plant in the soil, absorb water and nutrients, and store food and nutrients.
2. Leaves are specialized for photosynthesis in vascular plants by containing chlorophyll and having a large surface area to absorb sunlight.
3. Flowers in vascular plants produce pollen and eggs for sexual reproduction, attract pollinators for fertilization, and develop into fruits that contain seeds.
4. The two main types of vascular tissues in vascular plants are xylem, which transports water and minerals from the roots to the rest of the plant, and phloem, which transports sugars produced during photosynthesis to various parts of the plant.
5. Stems contribute to the overall structure and function of vascular plants by providing support for leaves and flowers, transporting water and nutrients between roots and leaves, and storing food and nutrients.

