

• Transport Food Through Plants •

QUESTIONS

1. How do plants transport food and water?

MAKING PLANTS

Plants have a special system for moving food and water. This system is called the vascular system. It consists of two main parts: xylem and phloem. Xylem moves water and minerals from the roots up to the leaves. Phloem moves food from the leaves down to the rest of the plant.

HOW PLANTS MOVE

Plants use a process called transpiration to move water. Transpiration is the evaporation of water from the leaves. As water evaporates, it creates a pull that draws more water up from the roots. This pull is called transpiration pull. It is the main force that moves water through the xylem.

PLANT

Plants also use a process called translocation to move food. Translocation is the movement of food from the leaves to the rest of the plant. It is done by the phloem. The phloem consists of cells called sieve tubes. These cells are connected to each other, forming a continuous network. Food moves through this network from the leaves to the rest of the plant.