

Water Up

Water travels up the stem of the plant through the _____ tissue. Examine this tissue under a microscope. Take a thin slice of celery stalk and make a wet mount slide with it. Draw a labeled diagram below of what you see.

Transpiration - Water OUT

Water exits a plant through tiny openings called stomata. Most stomata are located on the underside of leaves. Make a wet mount slide of the thin skin of the underside of a romaine lettuce leaf. Find a stomata and draw a labeled diagram indicating the guard cells and the stomata opening.

Push and Pull

Using the words osmosis, xylems, and transpiration, explain how a juice box can be a model for how water moves through a plant.