

## Watering Plants from the Ground up

Based on what you saw in the video and interactive game, use these key words to fill in the blanks:

Root  
Transpiration  
Stomata  
Root Hair  
Phloem  
High  
Xylem  
Water  
Osmosis  
Salt  
Low  
Stomata

Soil contains water and \_\_\_\_\_. When it rains, the concentration (amount) of the salt in the soil is \_\_\_\_\_ and the concentration (amount) of water is \_\_\_\_\_. Plants absorb water from the soil through \_\_\_\_\_. The water moves from the soil to the root hairs because the concentration of the water is lower in the soil than in the cell. The movement of the water is called \_\_\_\_\_.

Once water has been absorbed by the root hairs, it is transported to the rest of the plant by the \_\_\_\_\_. Water molecules are attracted to one another. The attraction forms a continuous chain of water up the xylem.

Water is either used in photosynthesis or is released from the plant via \_\_\_\_\_. The \_\_\_\_\_ plays a key role in transpiration.