ORIGINAL INPUT PASSAGE

Turn a textbook chapter into focused quiz practice

Original teaching passage: leaf gas exchange. Stomata are pores in a leaf surface whose opening is controlled by guard cells. They allow gases to pass between the leaf and its surroundings. During photosynthesis, carbon dioxide is used to build organic molecules and oxygen is released. Water can also leave the leaf as vapour, a loss called transpiration; much of this loss occurs through stomata. Closing stomata can reduce water loss, but it can also restrict carbon dioxide entry. This creates a trade-off between conserving water and allowing gas exchange. A description of stomatal closure should therefore retain both consequences rather than treating closure as an action with only benefits.