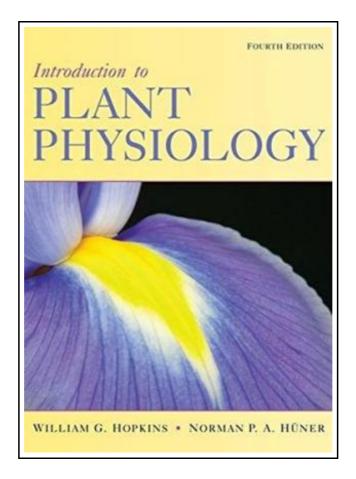
Introduction to Plant Physiology



Filesize: 4.77 MB

Reviews

A must buy book if you need to adding benefit. I actually have read through and so i am certain that i will likely to read through once again once again down the road. I am just quickly could possibly get a delight of looking at a created ebook.

(Jayme Beier)

INTRODUCTION TO PLANT PHYSIOLOGY



To get **Introduction to Plant Physiology** eBook, please refer to the link listed below and save the file or have accessibility to additional information which are relevant to INTRODUCTION TO PLANT PHYSIOLOGY ebook.

Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Chapter 1: Plant Cells and Water.1.1 Water has Unique Physical and Chemical Properties.1.2 The Thermal Properties of Water are Biologically Important.1.3 Water is the Universal Solvent.1.4 Polarity of Water Molecules Results in Cohesion and Adhesion.1.5 Water Movement may be Governed by Diffusion or by Bulk Flow.1.6 Osmosis is the Diffusion of Water Across a Selectively Permeable Membrane.1.7 Hydrostatic Pressure and Osmotic Pressure are Two Components of Water Potential.1.8 Water Potential is the Sum of its Component Potentials.1.9 Dynamic Flux of H 2 O is Associated with Changes in Water Potential.1.10 Aquaporins Facilitate the Cellular Movement of Water.1.11 Two-Component Sensing/Signalling Systems are Involved in Osmoregulation.Summary.Chapter review.Further reading.Chapter 2: Whole Plant Water Relations.2.1 Transpiration is Driven by Differences in Vapor Pressure.2.2 The Driving Force of Transpiration is Differences in Vapor Pressure.2.3 The Rate of Transpiration is Influenced by Environmental Factors.2.4 Water Conduction Occurs via Tracheary Elements.2.5 The Ascent of Xylem SAP is Explained by Combining Transpiration with the Cohesive Forces of Water.2.6 Water Loss due to Transpiration must be Replenished.2.7 Roots Absorb and Transport Water. 2.8 The Permeability of Roots to Water Varies. 2.9 radial Movement of Water Through the Root Involves Two Possible Pathways.Summary.Chapter Review.Further Reading.Chapter 3: Roots, Soils, and Nutrient Uptake.3.1 The Soil as a Nutrient Reservoir.3.2 Nutrient Uptake.3.3 Selective Accumulation of Ions by Roots.3.4 Electrochemical Gradients and Ion Movements.3.5 Electrogenic Pumps are Critical for Cellular Active Transport.3.6 Cellular Ion Uptake Processes are Interactive.3.7 Root Architecture is Important to Maximize Ion Uptake.3.8 The Radial Path of Ion Movement Through Roots.3.9 Root-Microbe Interactions.Summary.Chapter Review.Further Reading.Chapter 4: Plants and Inorganic Nutrients.4.1 Methods and Nutrient Solutions.4.2 The Essential Nutrient Elements.4.3 Beneficial Elements.4.4 Nutrient Functions and Deficiency Symptoms.4.5 Toxicity of Micronutrients.Summary.Chapter Review.Further Reading.Chapter 5: Bioenergetics and ATP Synthesis.5.1 Bioenergetics and...



Read Introduction to Plant Physiology Online Download PDF Introduction to Plant Physiology

Other eBooks



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Click the hyperlink under to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

Download Book »



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Click the hyperlink under to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF file.

Download Book »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Click the hyperlink under to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF file.

Download Book »



[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Click the hyperlink under to download "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" PDF file.

Download Book »



[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Click the hyperlink under to download "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" PDF file.

Download Book »



[PDF] Fifty Years Hence, or What May Be in 1943 (Paperback)

Click the hyperlink under to download "Fifty Years Hence, or What May Be in 1943 (Paperback)" PDF file.

Download Book »