



## Fundamentals of Plant Science (Texas Science)

By Marihelen Glass, Rick Parker



**Fundamentals of Plant Science (Texas Science)** By Marihelen Glass, Rick Parker

The organization of topics, the depth and breadth of coverage and the incorporation of applied material throughout the book are all aimed at helping students learn. This approach for both majors and non-majors is more successful than a hierarchical organization: molecules, cells, tissues, organisms and ecology. The number and titles of the chapters in the book reflect its depth and breadth. Fundamentals of Plant Science contains 22 chapters ranging from the importance of plants to plants and ecology, to biomes, to reproduction, to energy conversions, to plant, soil and water, to genetics and biotechnology, to traditional crops, to ornamentals, to wood, to fruits and nuts, to pastures and grasses. Fundamentals of Plant Science helps every student develop an understanding of how plants, impact, grow, reproduce, and function. This understanding promotes informed decision making concerning the role of plants in a functional world.

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## **Fundamentals of Plant Science (Texas Science) By Marihelen Glass, Rick Parker Bibliography**

- Sales Rank: #1174320 in Books
- Brand: Brand: Cengage Learning
- Published on: 2008-09-22
- Original language: English
- Number of items: 1
- Dimensions: 10.25" h x 8.25" w x 1.25" l, 3.15 pounds
- Binding: Hardcover
- 704 pages

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Chapter 5: The Basic Design II: Morphology and Adaptations of Reproductive Structures Chapter 6: The  
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Control of Growth and Development PART IV Evolution and Diversity Chapter 12: Sexual Reproduction  
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Fruits Chapter 18: Fruit and Nut Production Chapter 19: Flowers and Foliage Chapter 20: Forage Grasses  
and Sod Chapter 21: Plants of Medicine, Culture and Industry Chapter 22: Modern Agriculture and World  
Food: Why Plant Science?

#### About the Author

Dr. Marihelen Glass has been a Professor of Horticulture at North Carolina A&T University for the past 20 years. She teaches classes in Plant Materials, Greenhouse Management and Production, Plant Propagation, Turf Management, Nursery Production, and Floral Design. Dr. Glass teaches in the National Council of State Garden Clubs. Landscape Design Workshops, each year. She has taught courses in Plant Propagation and Native Plants for Advanced Master Gardeners. Marihelen has received 10 awards for Excellent Teaching.

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