

Roots

grades 4-6

STRUCTURE & FUNCTION

READING PASSAGE, DIAGRAM & COMPREHENSION QUESTIONS

Name: _____ Date: _____

Roots- Structure and Function

Roots are an important part of a plant. They help the plant survive, grow, and stay healthy. One of the main jobs of roots is to anchor the plant in the soil. This keeps the plant from falling over, even when the wind blows.



Roots also absorb water and nutrients from the soil. These nutrients are like food for the plant, helping it make energy to grow. Tiny root hairs grow from the main roots and increase the surface area for absorbing water and minerals.



There are two main types of root systems: taproots and fibrous roots.

- A taproot is a large, thick root that grows straight down. It stores food and pushes deep into the ground. Carrots and dandelions have taproots.
- A fibrous root system has many thin roots that spread out in all directions. Grass and corn have fibrous roots. These roots are great at holding soil in place.



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Part 1: Vocabulary Matching

Match each word to its correct definition. Write the letter next to the term.

Term	Definition
1. Root	
2. Water	
3. Absorb	
4. Nutrients	
5. Taproot	
6. Fibrous root	
7. Root hairs	
8. Store	

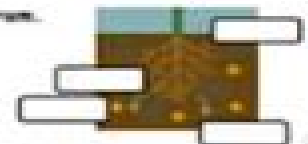
Definitions:

- A. Helps hold the plant in place
- B. A thick main root that grows deep into the soil
- C. Soaks up water or nutrients
- D. Tiny parts of a root that increase surface area
- E. A group of thin roots that spread out
- F. A part of the plant that grows underground
- G. To save food or energy for later use
- H. Substances in soil that help plants grow

Part 2: Label the Diagram

Use the following words to label the diagram.

- Taproot
- Fibrous roots
- Root hairs
- Soil
- Water
- Nutrients



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Plant Structure And Function Active Reading Worksheets Roots Answers

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Holt Biology Chapter 25 Resource File: Plant Structure and Function Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 **Chapter Resource 23 Introduction to Plants Biology** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 *Holt Science & Technology* Holt Rinehart & Winston, 2004 **Te HS&T a** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004-02 Glencoe Science , 2002 Cincinnati Magazine , 2001-08 Cincinnati Magazine taps into the DNA of the city exploring shopping dining living and culture and giving readers a ringside seat on the issues shaping the region Instructor , 1972-08 *The Software Encyclopedia* , 1988 **Index to Media and Materials for the Mentally Retarded, Specific Learning Disabled, Emotionally Disturbed** National Information Center for Special Education Materials, 1978 **Plant Parts** Steffi Cavell-Clarke, 2016-12-15 Roots stems and leaves are just some of a plant s most important parts Readers get a detailed look at these and other plant parts as they closely examine some of the world s most interesting plants Vibrant full color photographs of plants fill each page and clear diagrams help readers gain a deeper understanding of the ways plant parts work together These basic biology lessons are presented to early learners through age appropriate text that is closely aligned with common science curriculum topics What parts do plants use to make their own food The answer is waiting for readers to discover **Structure and Function of Plant Roots** Rienk Brouwer, O. Gašparíková, Jozef Kolek, Brian C. Loughman, 1981 **Holt Biology Chapter 25 Resource File: Plant Structure and Function** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004

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