Name: _____

Date: _____ Grade: _____

SECTION QUIZ 4-2



Remember:
Score an average of 85% or higher on all three quizzes, and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.2 points.

Matching:

1. _____ herbs
2. _____ heartwood
3. _____ sapwood
4. _____ diffusion
5. _____ semi-permeable
6. _____ gymnosperms
7. _____ xylem cells
8. _____ phloem cells
9. _____ rhizomes
10. _____ angiosperms

(a) plant stem cells, transports food from plant leaves down to rest of plant

(b) passage into/out of cells restricted to certain molecules

(c) plants used as food and medicine

(d) produce seeds protected by pods, shells, berries, fruit, tassels

(e) produce unprotected seeds as with evergreens

(f) dead xylem cells in innermost part of tree, gives support to tree

(g) underground plant stems or runners

(h) plant stem cells, carry water and nutrients from roots up stem to leaves

(i) molecules moving from an area of higher concentration to one of lower concentration

(j) living part of a tree; contains active xylem cells

True or False: Write the correct answer.

11. _____ Both plants and animals have semi-permeable cell membranes.
12. _____ Plant food is transported from leaves to the rest of the plant by processes of osmosis and diffusion.
13. _____ Fossil records show ancient plant life to be much the same as current forms of plant life.
14. _____ All vascular plants produce seeds.
15. _____ Plants are designed to supply man's basic needs of food, shelter and clothing.
16. _____ In a mature tree, the root structure is nearly a mirror image of the branch system.
17. _____ All natural fruits contain seeds.

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SECTION QUIZ 4-2

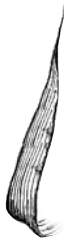
Fill in the blank: Choose the correct word from the WORD BANK.

WORD BANK		
stem	grant redwoods	leaves
flowers	plant kingdom	cacti
roots	monera kingdom	fruit
seeds	non-vascular	marsh
growing seasons	vascular	desert

18. The _____ is divided into vascular and non-vascular plants.
19. Flowers, stems, roots and leaves are characteristics of _____ plants.
20. _____ are among the oldest living plant forms.
21. Plants may be categorized according to structure and reproduction, or according to their _____.
22. A plant's _____ serve to supply food and water to the plant, to store food for the plant, and to support the plant.
23. Buds and leaves on a plant grow from its _____.
24. Biologist often identify plants by their _____.
25. _____ are dispersed by wind, water, animals or self-propulsion.
26. _____ is used as food and to protect, then disperse seeds.
27. The main function of _____ is to produce seeds to carry on the species.
28. Knee roots and prop roots grow from Cypress and Mangrove trees in swamp or _____ lands.

Label each leaf diagram as monocot or dicot:





29. _____

30. _____

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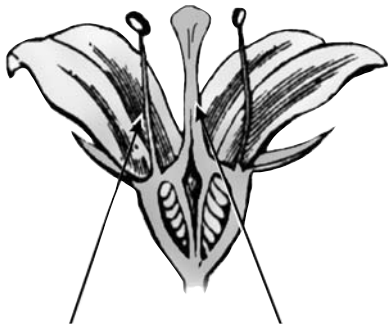
SECTION QUIZ 4-2

Matching:

31. _____ John Ray
32. _____ Robert Boyle
33. _____ tubers
34. _____ plant stem
35. _____ pollination
36. _____ annuals
37. _____ bi-annuals
38. _____ perennials

(a) main transportation or circulatory system of vascular plants
(b) life cycles go for many years, examples are trees and shrubs used for building materials.
(c) transfer of pollen from the male part of a flower to the female part
(d) expert in botany and zoology in 1600s, called "Father of English Natural History"
(e) underground stems that store food, such as white potatoes
(f) life cycles completed in 2 years; harvested for food at end of first growing season, such as carrots, cabbage, onions, and radishes
(g) "Father of Modern Chemistry," helped found scientific organization known as the Royal Society of London
(h) life cycles complete in one growing season, such as corn, wheat, peas, beans, sunflowers

Label the basic male and female parts of the flower diagram below:



39._____ (male) 40._____ (female)

Complete the Life Principles:

41. *"Men of character are always men of* _____."

42. *"The workings of* _____ *are for our instruction."*

43. *"Unless the* _____ *cause of a problem is destroyed, it will come back to confront you."*

44. *"People who make decisions based on truth and moral principles are*_____."

45. "_____ *where you are planted."*

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