

Plant Structures and Function Book reading/Lab MAKEUP

Names _____

Introduction: Just as human bodies have organ systems that move fluids, provide nutrients, and discharge wastes, plants also have systems that perform those same functions. These systems allow plants and animals to maintain homeostasis, or a constant balance. In this activity, you will look at plants using just your eyes and also under a microscope.

USE THE BOOK PAGES 108-116.

1. What are 3 things found in plant cells that aren't in animal cells?

2. What is the function of Xylem? Phloem?

(pg 109) Draw the stem here:
Label the Xylem and Phloem

Plant Organs

ROOTS

3. Explain the difference in the two types of roots.

4. What are the function of roots? (there are 3)

Draw the taproot and fibrous root. (pg 111)

STEMS

5. What are the functions of stems? (there are 2)

LEAVES

6. What is the primary function of leaves?

7. Explain the function of the 3 types of tissues in leaves.

Mesophyll

Veins

Epidermis

8. The epidermis has tiny pores called stomata. What is the function of the stomata?

Draw the stomata here: (page 114)

FLOWERS

9. What is the function of flowers?

10. What is the name of the male and female part of the flower?

11. Where is the pollen found on the flower?

12. What are the 3 parts of the pistil?

13. Why are petals often brightly colored?

Draw a picture of the flower and label ALL of the parts: (page 115)