

Handout #2

Learning Activity

Name: _____

Date: _____

Directions: Proceed to the Web site www.urbanext.uiuc.edu/gpe/case1/c1facts2a.html.

Follow the tutorial on the Web site to answer the following questions. (*You may skip over the flower portion of the tutorial.*) Once you have finished the questions, turn this paper over and try to answer the questions on the quiz. The quiz follows the tutorial section. Good Luck!

1. What is the purpose of the root?

2. What are the two types of roots?

a. _____

b. _____

3. What is the purpose of the stem?

4. What type of cells would one find inside a stem?

5. What is the purpose of leaves on a plant?

6. How are leaves arranged?

7. What is photosynthesis?

8. What is the ripened ovary of a plant called?

9. What is its function?

10. What does a seed contain?

11. What is the seed's food supply?

12. Where is the food found inside of the endosperm?

13. What seven things do all plants need to grow?

a.

b.

c.

d.

e.

f.

g.

Handout #2 (Answer Key)

1. What is the purpose of a root?

The roots provide support, absorb water, and store sugars and carbohydrates.

2. What are the two types of roots?

Taproot, Fibrous Root

3. What is the purpose of the stem?

The stem carries water and nutrients.

4. What type of cells would one find inside a stem?

The two types of cells are xylem and phloem.

5. What is the purpose of leaves on a plant?

The leaves serve as the food-making factories of the plant.

6. How are leaves arranged?

The leaves can be simple or single blades; attached to the petiole; or arranged in compound form.

7. What is photosynthesis?

It's a process whereby chlorophyll changes carbon dioxide and water into glucose.

8. What is the ripened ovary of a plant called?

This is commonly referred to as the fruit.

9. What is its function?

The fruit helps spread the seeds.

10. What does a seed contain?

The seed contains an embryo or tiny leaves, stem and roots.

11. What is the seed's food supply?

This is called the endosperm.

12. Where is the food found inside of the endosperm?

It is found inside the cotyledon.

13. What seven things do all plants need to grow?

Room to grow, correct temperature, light, water, air, nutrients, and time.