

1. What type of cells are responsible for the constant growth of plants?
2. Meristematic cells are constantly producing cells that become specialized and combine to form the three types of tissues found in the body of a plant. Identify these types of tissues **and** describe their functions.

- 1.

- 2.

- 3.

3. There are four types of organs that make up the body of a plant. They are:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

4. The primary function of the leaf is

5. Complete the following chart.

Specialized Cell of a Leaf	Description and/or Function
<i>Xylem</i>	
<i>Phloem</i>	
<i>Stomata</i>	

6. What is *transpiration*?

7. The organelle in the leaf that is responsible for photosynthesis is the

8. What are the two main functions of the stem?

1.

2.

9. What are the three functions of roots?

1.

2.

3.

10. The main function of the flower is \_\_\_\_\_.

This is referred to as \_\_\_\_\_.

11. In three to four sentences, describe the flow of water from the roots up to, and out of the leaves of the tree. Highlight the main components that facilitate this transfer by name.