

Week 18	Home Study	Parent Initials
	<p>Tuesday</p> <ul style="list-style-type: none"> • Study for Test over Ecology, Bacteria, Protists, and Fungi (weeks 15 – 17 homestudies) 	
	<p>Wednesday</p> <ul style="list-style-type: none"> • Study for Test. You can take the test at any point during the week. It is under the Life Science Tests link. 	
	<p>Thursday</p> <ul style="list-style-type: none"> • Under the classroom notes icon on the teacherweb. View Powerpoint Week 18 Botany Part 1 Slides 1 - 22. I have provided it in the Powerpoint format which you can download onto your computer or I also have it in a PDF format. You will not be reading your textbook for the next few weeks. • Complete Taxonomy Review Worksheet • View Powerpoint Week 18 Botany Part 1 Slides 23 - 42 • Complete Basic Plant Parts Worksheet 	
	<p>Friday</p> <ul style="list-style-type: none"> • View Powerpoint Week 18 Botany Part 1 Slides 43 – 57 • Complete Leaves – Photosynthesis and Structure Worksheet • View Powerpoint Week 18 Botany Part 1 Slides 58 – 77 • Complete Identify Leaves Worksheet • Print off a copy of slide 74 (leaf shape), 75 (leaf margin), and 76 Leaf identification. Bring these to class for the next few weeks. • Study for weekly quiz 	
Comments:		
Checked Work		

Thursday – Taxonomy Review

1. What is the branch of biology that specializes in classifying organisms? _____

2. What are the 6 Kingdoms
 - A. _____
 - B. _____
 - C. _____
 - D. _____
 - E. _____
 - F. _____

3. What are the 7 different organizational levels that organisms are placed in?
 - A. _____
 - B. _____
 - C. _____
 - D. _____
 - E. _____
 - F. _____
 - G. _____

4. What are the rules for writing genus and species names? _____

5. What is the dichotomous key and what is it used for? _____

6. What are the 4 plant phylums that we will be studying?
 - A. _____
 - B. _____
 - C. _____
 - D. _____

7. What are the characteristics of a plant? _____

8. What is the study of plants called? _____
9. What is a person who studies plants called? _____
10. Label the cytoplasm, nucleus, chloroplast, and central vacuole. Discuss the purpose of each organelle



11. What is turgor pressure? _____

Thursday – Basic Plant Structure

1. What are the 3 basic parts of a plant?
 - A. _____
 - B. _____
 - C. _____
2. What is the structure that allows you to differentiate the different parts? _____
3. Indicate which part of the plant has nodes and which do not. _____

4. What is a stem and what is its purpose? _____

5. List and describe the 2 types of stems
 - A. _____
 - B. _____
6. What is the difference between a shoot and a bud?

7. What is a root and what is its purpose?

8. List and describe the 5 different types of roots.

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____

9. What is the difference between a tap root and a vegetable root?

10. Draw a line from the type of root to the picture that best depicts the root.

Prop Root



Fibrous Root



Adventitious Root



Aerial Root



Tap root



Root Vegetable



11. Label the following parts of the plant: Stem, Leaves, Roots, Nodes

What type of root system does this plant have ?



Friday – Photosynthesis and Structure

1. What is the purpose of the leaf? _____

2. What are the inputs or ingredients in photosynthesis? What are the products?

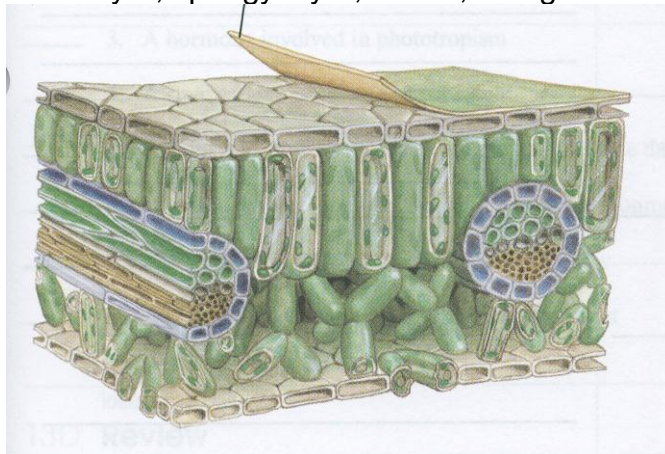
3. What is the organelle that actually carries on the process of photosynthesis?

4. What kind of cells contains the chloroplasts? _____
5. What are the 3 different layers in the leaf?
A. _____
B. _____
C. _____
6. What is the purpose of the epidermis? _____

7. What is the purpose of the palisade layer? _____

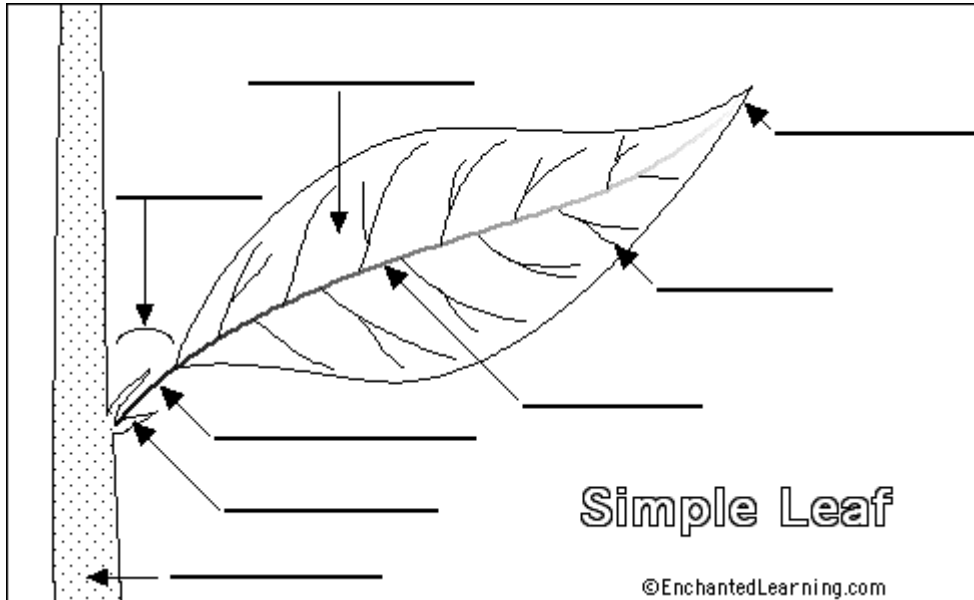
8. What is the purpose of the spongy layer? _____

- 9 Label the epidermis, palisade layer, spongy layer, stoma, and guard cells below



Friday – Identify leaves

1. Label the leaf below



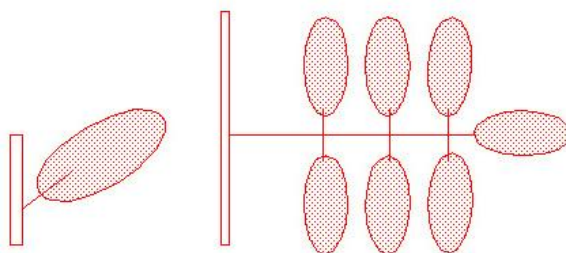
2. What do the veins do? _____

3. What are the 3 type of venation?
A. _____
B. _____
C. _____

4. What are the 3 types of leaf arrangement?
A. _____
B. _____
C. _____

5. What are the 2 leaf types?
A. _____
B. _____

6. Label the following with the appropriate leaf type, then label the petiole, petiolules, rachis, leaflet, terminal leaf, and margin



7. Using the leaf shape slide, leaf margin slide, and leaf identification sheet, try to identify the shape and margin for the following leaves.



Apex shape:

Base shape:

Overall shape:

Margin shape:

Venation type:



Apex shape:

Base shape:

Overall shape:

Margin shape:

Venation type:



Apex shape:

Base shape:

Overall shape:

Margin shape:

Venation type:



Apex shape:

Base shape:

Overall shape:

Margin shape:

Venation type:

8. What do pigments do?
