

Notebook Test

List of Assignments and Notes

- 1) Frayer Model for the following words
  - a. Phloem
  - b. Xylem
  - c. Photosynthesis
  - d. Chloroplast
  - e. Chlorophyll
  - f. Vacuole
  
- 2) Chapter 4 Section 1 Outline
- 3) Combination/ picture notes for Chapter 4 section 1
- 4) Sketch of a plant cell including the following structures
  - a. Vacuole
  - b. Nucleus
  - c. Chloroplast
  - d. Cell wall
  
- 5) Observations of prism splitting light video
- 6) How we see colors summary paragraph
- 7) Photosynthesis equation notes
- 8) P 119 sect 2 assessment questions
- 9) Photosynthesis flowchart
- 10) Chapter 5 section 1 outline
- 11) Which plant part is it? Chart
- 12) Seed Dispersal Diagram
- 13) Tropism Video observations
- 14) Tropism and plant hormone notes
- 15) Chapter 4-5 Review and Assessment (p 131: 2,3,6-9,13,20 and 23-27; p 171: 3,4,8,11,12,16,19,22)

**Framer Model (can be done on index cards or on notebook pages)**

Sentence	SAMPLE	Synonym
	Word	
Def:		
Antonym	Picture	

## Combination/Picture Notes

### Plants

- Autotrophs
  - use photosynthesis
- Multicellular

### Plant Structure

- chloroplast
  - filled with chlorophyll
- vacuole

### Adaptations for Land Living

- obtain water and nutrients
- retain water
  - cuticle
- transport materials
- support
- reproduction

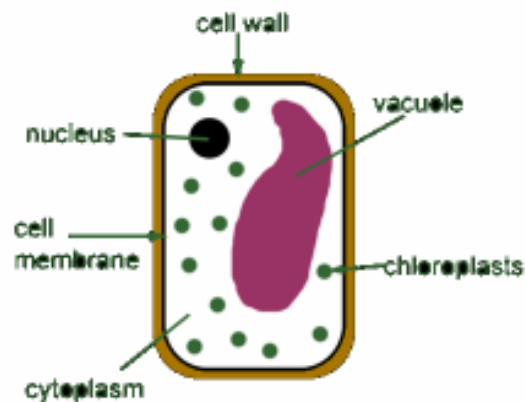
### Classification of Plants

- Non-vascular
  - ex: mosses, liverworts, hornworts
- Vascular
  - 3 groups
  - 1) Seedless vascular
  - 2) Gymnosperms (no flower/fruit)
  - 3) Angiosperms (flowers)

### The Plant Kingdom

Draw pictures On  
This Side

Plant Cell Diagram →

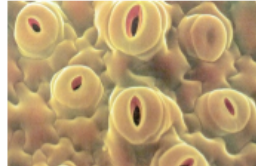


# Photosynthesis Flowchart

Water from the roots climbs up the xylem and reaches the leaves



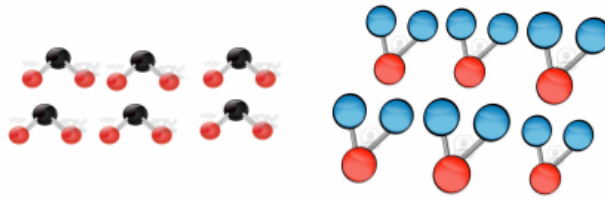
The stomata on the leaves open up and carbon dioxide enters through the opening



In the chloroplasts, light energy from the sun starts photosynthesis



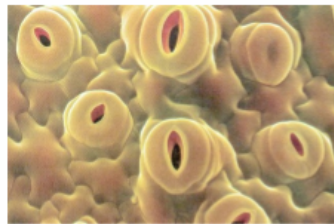
The carbon, hydrogen and oxygen atoms (in the water and carbon dioxide) rearrange.



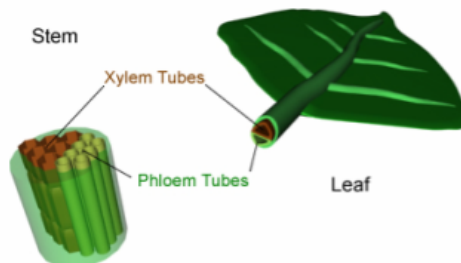
Sugar and oxygen form



The oxygen is released out the stomata



The sugar travels through the phloem to the rest of the plant's cells



# Which Plant Part is it? Chart

## Root, Stem or Leaf?

- Classify the following as one of the above plant parts.

Carrot



Potato



Onion



Parsnip



Broccoli



Cabbage



Lettuce



Celery



Seed Dispersal  
Diagram

Seed Dispersal (P137)

Once formed, Seeds are scattered  
by 1 of 3 methods...

Dispersal by  
Other organisms

- Barb-like seeds stick to fur
- Seeds Pass through digestive system and are deposited elsewhere

Dispersal by  
H<sub>2</sub>O

- Coconuts float
- float along water ways to travel long distances

- Dispersal by  
wind or  
gliding

-  
Add you own notes here