**PAP Plant C-Note List \*\*\*THIS IS YOUR LAST NOTE LIST WOOHOO!!!\*\*\***

**Ch. 20 Plant Diversity Pg 589**

Preventing water loss: cuticle, stomata. Draw the stoma on pg. 595

Vascular system

Pollen grains & seeds

Three advantages of seed plants (pg. 600)

Gymnosperms vs. angiosperms

Cones

Flower & Fruit

Cotyledon

Monocot vs. dicot- Copy down figure 3.3 on pg. 606

**Ch. 21 Plant Structure and Function Pg. 616**

Parenchyma vs. collenchyma vs. sclerenchyma cells

Tissues: dermal tissue, ground tissue, Vascular tissue: xylem & Phloem

Transpiration

Roots: Vascular cylinder, root hairs, root cap, meristem

Fibrous roots vs. taproot

Stems: Primary vs. secondary growth

Leaves: blade, petiole, mesophyll, guard cells & stoma

What happens with the stomata are open and what happens when they are closed?

Describe the following adaptations of leaves on pg. 633: cacti leaves, agave, thick cuticles, pine trees, sunken stomata, water lily’s leaves, rain forest.

**Ch. 22 Plant growth, reproduction, and response**

Pg. 644 Flowers: sepals, petals, stamen, carpel, ovary. Draw figure 2.1

Pg. 656 Hormones: Gibberellins, ethylene, cytokinins, auxins, tropism

Phototropism, thigmotropism, gravitropism, photoperiodism

**Ch. 4.2 & 4.3 Overview of Photosynthesis**

Photosynthesis: What is it? What organisms do it? (p.101)

What is the role of the thylakoids? What happens when light strikes it? (p. 102)

 What is the photosynthesis equation? (p. 103)

Describe what is occurring in each process and most importantly what are you making at the end of each process: Electron Transport Chain, Calvin cycle (p. 107-9)

**Ch. 4.4 Overview of Cellular Respiration**

Cellular Respiration: What is it? What organisms do it? How is ATP involved? (p.111)

 Aerobic vs. anaerobic

 What is the cellular respiration equation? (p. 113) What are you making in the end??

 Describe what is occurring in each process and most importantly what are you making at the end of each process: Glycolysis, Krebs cycle, Electron Transport Chain (p. 113-119)

Describe fermentation and Lactic acid Pg. 120