Notes / Learning Log

Name: _____
Date: _____
Class: Science
Period: _____

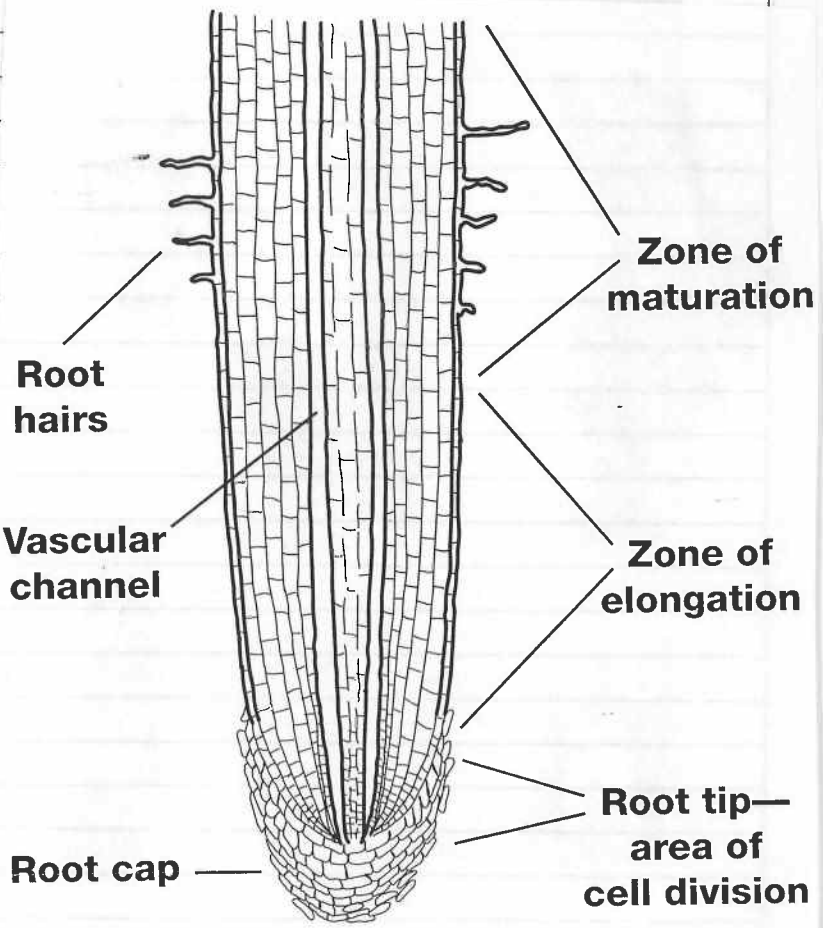
Topic: Seeds of Life - More key points

Questions/Main Ideas:	Notes:
What is the first structure to emerge after germination?	The **root** is the first structure to develop followed by **root hairs**.
cotyledon = food How?	The cotyledon holds →
monocots (monocotyledon)	→ 1 cotyledon examples: corn, wheat, rice, grass, lilies, palms
dicots (dicotyledon)	→ _ cotyledons examples: beans, peas, radishes, pumpkins, oak
I know chlorophyll is green, but why do plants have it, and why is it important.	Plants have chlorophyll because it captures →

Summary, Reflection, Analysis Choose 2 ?s to respond to.

Write one question rolling around in your head?

Questions/Main Ideas:	Notes:
The "root cap" is the very tip of the root. It's a mass of cells that aren't attached firmly but protects the root as it pushes through soil.	
The "root tip" cells are small & compact. This is where	
The "Zone of Elongation" are long thin channels and are still cells with nuclei. These channels	
"Zone of Maturation" cells are the same size of those in the ZoE, but will have root hairs. Maturation means the cells are more	



Summary, Reflection, Analysis Choose 2 ?s to respond to.

Write one question still rolling around in your head.

Concept Map: Build a complex map that has an arm for each subsection of "Seeds and Roots." Add branches to those arms to complete the ideas.
Concept maps use a system of webs to identify relationships and rely on pictures to build visual understanding.

5.3