

### Cornell Notes

Questions:	Notes: <u>Key Points</u>	<u>Information</u>
• What plants use vascular tissue?	Transporting Material	- sm plants materials move cell to cell
• Why do plants need vascular tissue?		- lg plants use vascular tissue = a system of tubelike structures
• What are 3 major characteristics of non vascular plants?	Reproduction	- which moves H <sub>2</sub> O, minerals, and food
• Why are non vascular plants low to the ground?		- occurs when H <sub>2</sub> O is in the environment
• Why do plants live in damp, shady places?		- sperm cells swim in the water to egg cells
• What enables seedless vascular plants to grow taller than non vascular plants?	Classifying Plants	- Land plants in dry environments have adaptations
• What are two functions of vascular tissue?	Nonvascular Plants	- plants that lack vascular tissue are nonvascular plants
• Why can vascular plants survive in greater volumes than nonvascular plants?	Nonvascular Plant Example	- low-growing, thin cell walls, do not have roots
• What is the function of phloem/xylem?	Seedless Vascular Plants	- live in damp, shady places
• What is the function of phloem/xylem?	Types of Vascular Tissue	- Mosses
• What is the function of phloem/xylem?		- Liverworts / Hornworts
• What is the function of phloem/xylem?		- have vascular tissue, don't produce seeds
• What is the function of phloem/xylem?		- reproduce releasing spores
• What is the function of phloem/xylem?		- can grow tall
• What is the function of phloem/xylem?		- Phloem: food travels
• What is the function of phloem/xylem?		- Xylem: water + minerals travel

**Summary:** Answer here: What are characteristics of nonvascular plants vs vascular plants?  
 What are the characteristics of seedless vascular plants?