
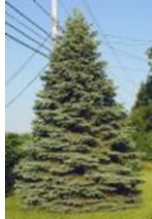
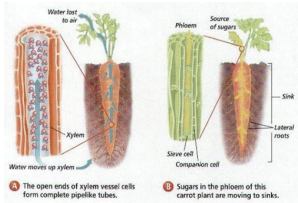



| Classification of Plants   |   |
|--|---|
| <p>Vascular plants</p>   | <ul style="list-style-type: none"> <li>• Largest group in the plant kingdom</li> <li>• Have true roots, stems and leaves</li> <li>• Bigger than nonvascular plants</li> <li>• Xylem- carries water from roots to leaves</li> <li>• Phloem- carries glucose from leaves to the rest of the plant</li> <li>• can reproduce with seeds or spores</li> </ul> <div style="text-align: center;">  <p>Water moves up xylem →</p> <p>④ The open ends of xylem vessel cells form complete pipelike tubes.</p> <p>⑤ Sugars in the phloem of this carrot plant are moving to sinks.</p> </div> |

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|   |  |
|---|--|
| <p>What are nonvascular plants?</p>  | <ul style="list-style-type: none"> <li>• lack vascular tissue- cannot transport water throughout the plant</li> <li>• grow low to the ground</li> <li>• do not have roots</li> <li>• absorb nutrients</li> <li>• live in damp, dark places</li> <li>• have very thin cell walls</li> </ul> |
| <p>Importance of nonvasculars</p>   | <ul style="list-style-type: none"> <li>• prevent erosion on forest floor</li> <li>• foundation for forest floor</li> </ul>   |

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# Moss



- tiny leaf-like structures grow out of a stem-like structure
- Rhizoids (thin root like structure) anchor plant in ground and absorb nutrients
- Spores are in sporophyte which grow out of stem like structure
- Important because....
  - used in agriculture and gardening
  - used as fuel to heat homes and cook food (peat moss)



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# Liverworts



- found growing as a thick crust on moist rocks or soil along sides of a stream
- named for its shape resembling a human liver

# Hornworts



- usually live in moist soil, mixed in with grass plants
- have horn like structure

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