

Plant Phyla Trail

BRYOPHYTA

Characteristics
✗ True roots
✓ Rhizoids (instead)
✗ Xylem
✗ Phloem
✗ Pollen
✓ Spores
✗ Ovaries/ovules
✗ Fruits
✗ Seeds




<i>Brachythecium rutabulum</i>	
Liverworts	




FILICINOPHYTA

Characteristics
✓ Roots-stems-leaves (usually present)
✓ Xylem
✓ Phloem
✗ Pollen
✓ Spores
✗ Ovaries/ovules
✗ Seeds
✗ Fruits

<i>Athyrium filix-femina</i>	
<i>Asplenium ceterach</i>	
<i>Adiantum capillus-veneris</i>	



<i>Cupressus sempervirens</i>		Characteristics
<i>Pinus pinea</i>		Roots-stems-leaves
<i>Juniperus excelsa</i>		Xylem
		Phloem
		Pollen (produced in ♂ cones)
		Ovules (produced in ♀ cones)
		Seeds (produced & dispersed)
		Fruits
		✗ CONIFEROPHYTA

<i>Quercus calliprenos</i>		Characteristics
<i>Eriobotrya japonica</i>		Roots-stems-leaves (usually present)
<i>Viburnum tinus</i>		Xylem
		Phloem
		Pollen (from anthers)
		Ovules (enclosed in flower's ovaries)
		Seeds
		Fruits (for seed dispersal)
		✓ ANGIOSPERMOPHYTA