

1.) Working with a partner, research each organism using google to complete the table, then answer the questions. Traits get more complex as you move left to right. **i.e. cones evolved before flowers.**

Representative Plant	Land or Aquatic	Vascular Tissue (Present or not)	Roots, Stems and Leaves (Present or not)	Dominant Generation (Haploid/gametophyte or Diploid/Sporophyte)	Reproductive Structures (Present or Not) Structures get more complex as you move left to right.				
					Seeds	Cones	Needles	Fruit	Flowers
Jack Pine (<i>pinus banksiana</i>)									
Lady's Slipper (<i>Calceolus reginae</i>)									
Bracken fern (<i>Pteridium aquilinum</i>)									
Sphagnum moss (<i>Sphagnum angustifolium</i>)									

2.) Using the information you have gathered, put the plants in order from simplest to most complex.

3.) Which two organisms do you think are probably the most closely related? Why?

4.) Which two organisms do you think are the least closely related? Why?

5.) Complete the evolutionary tree on the back of this sheet

How to complete the evolutionary tree

- 1.) You created a list of from least complex to most complex on the previous page. The least complex should be on the first branch on the left and the most complex should be on the very last branch on the right.
- 2.) Each box should contain some of the traits that appeared at the top of your table as the organism became more complex.

