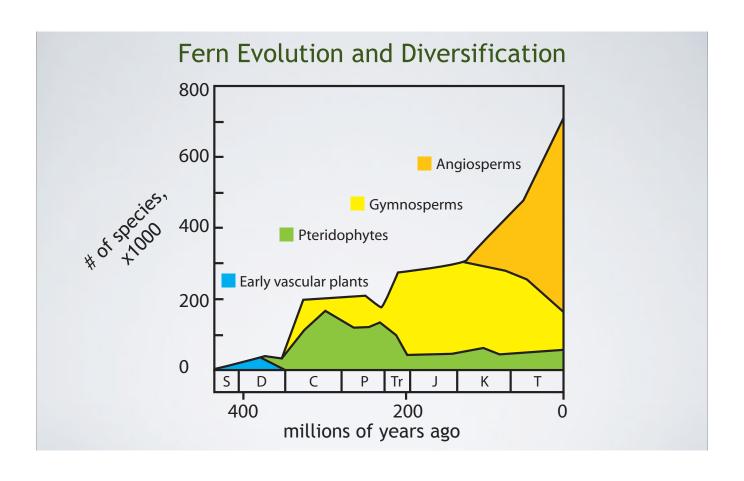
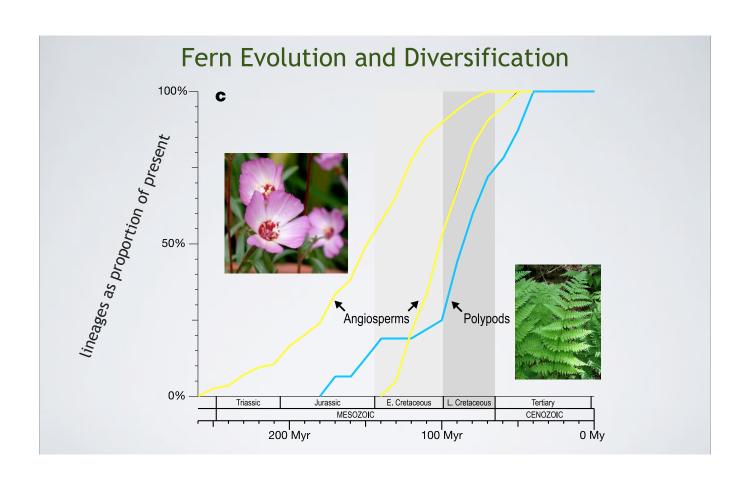
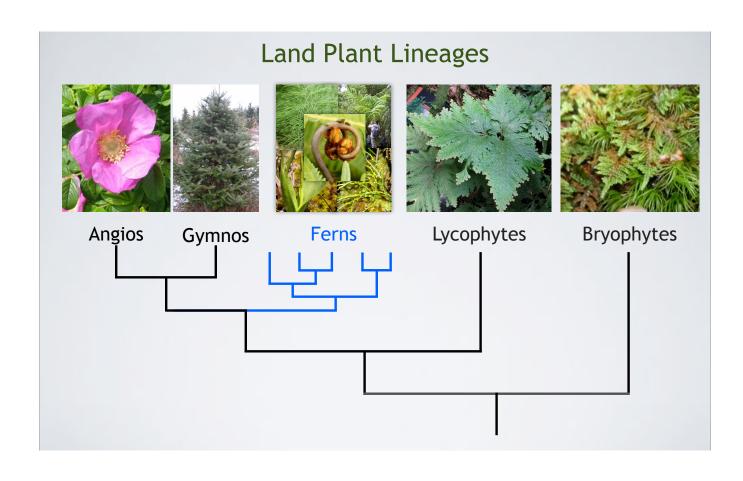
Fern Biology & Natural History

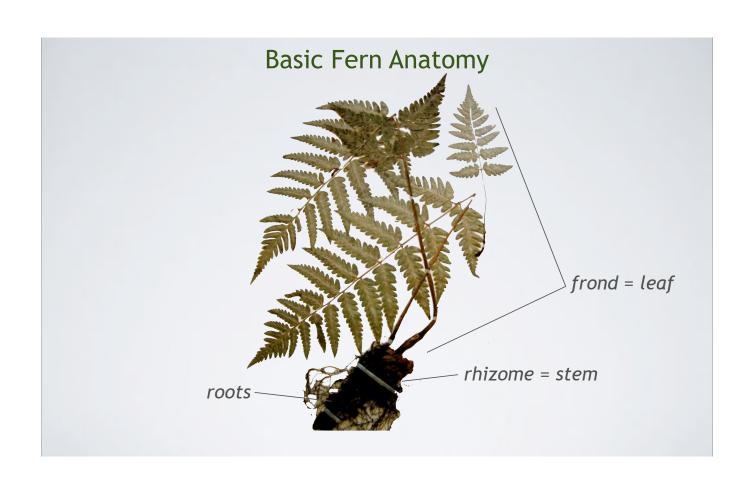
Important points:

- Ferns are very diverse, both morphologically and in the habitats they occupy.
- Ferns are ancient the first fossils are from ~380 million years ago.
- They are the sister group to the seed plants.
- The most important identifying characters are: the level of leaf division, shape of sori and presence/absence of indusium covering, and whether hairs and/or scales are present.
- Ferns do not have seeds, flowers, or fruits, but reproduce using spores which later germinate into gametophytes, which are sexual.

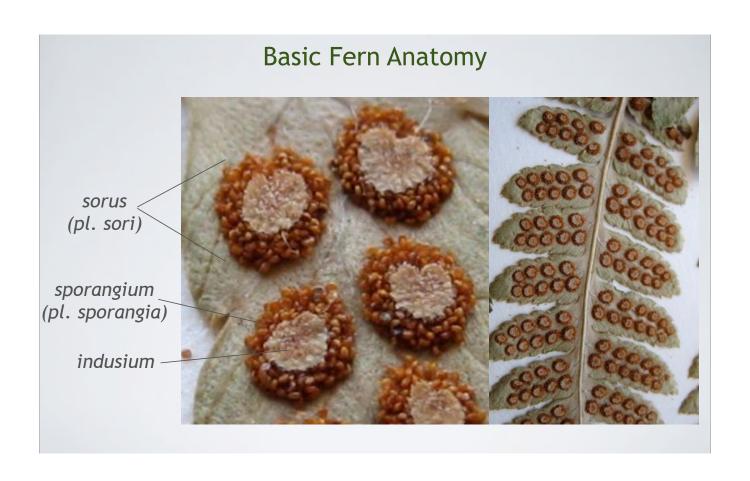


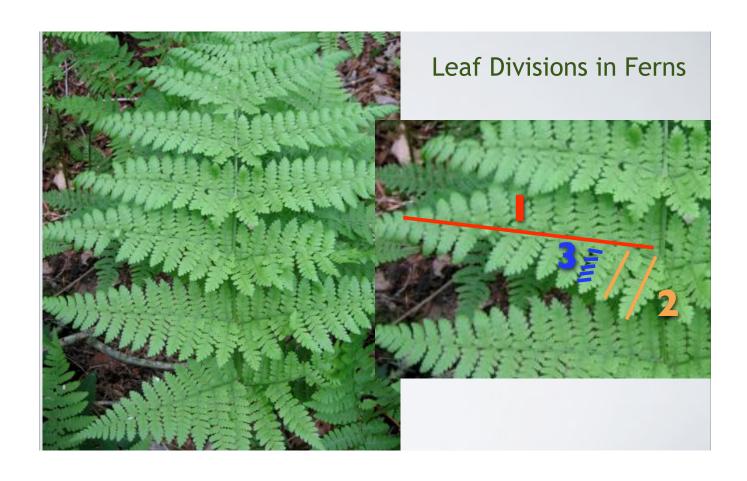
















Entire





Twice pinnate



Twice pinnate-pinnatified

















