



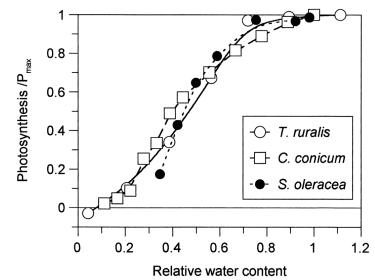
Describe the two mutualistic relationships that (and which) bryophytes may be involved in in terms of nutrient acquisition.

What are mycorrhizal associations? What lineages on both sides of the interaction are involved?

How may epiphytic bacteria affect bryophyte growth?

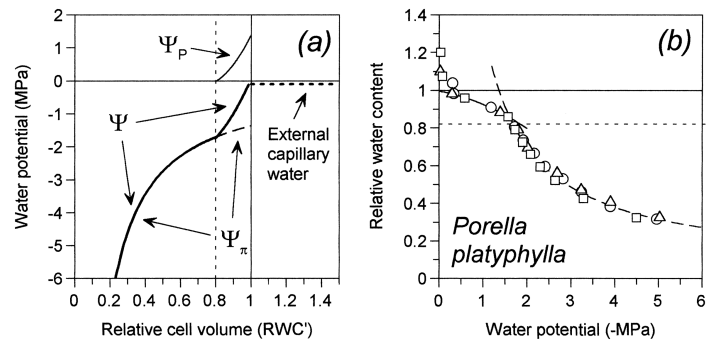
Explain the importance of external capillary water to the physiology of bryophytes and describe how they can accumulate a pool of external water.

Briefly state what this figure shows.



What is external capillary water and what is its function? Where is it on the previous figure?

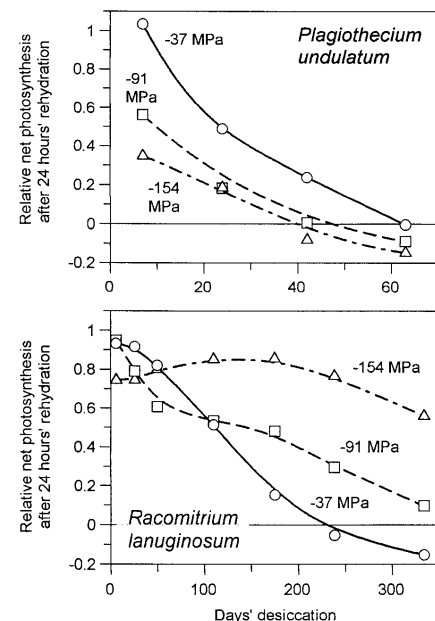
This figure may help:



Given three ways innovations that allow bryophytes to hold external capillary water.

What is meant by desiccation tolerance?

What do the figures to right reveal about variation in desiccation tolerance in mosses?



What is the range of pH of peatlands?

What ecological parameters are determinant in differentiating types of wetlands?

How does *Sphagnum* acidify peatlands?

What is peat? Make an argument why it should be included in a discussion on global climate change?

The soil or upper peat layers are anaerobic environments. How are anaerobic conditions created?